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CATALOGUE
OF
THE COLUMBIAN UNIVERSITY,



WASHINGTON, D. C.

1898-'99.

WASHINGTON, D. C.
JUDD & DETWEILER, PRINTERS.
1899.

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JANUARY.

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CALENDAR.

1898.

- Sept. 26, 27,* *Monday, Tuesday*.—Examinations for Admission to Columbian College.
- Sept. 28, *Wednesday*.—Academic year begins in Columbian College, Corcoran Scientific School, and School of Graduate Studies.
- Oct. 3, *Monday*.—Academic year begins in Law School, Medical School, Dental School, and Graduate Veterinary School.
- Nov. 15, *Tuesday*.—Formal opening of School of Comparative Jurisprudence and Diplomacy.
- Nov. 24-26, *Thursday to Saturday*.—Thanksgiving recess.

RECESS FROM DECEMBER 24, 1898, TO JANUARY 2, 1899, INCLUSIVE.

1899.

- Jan. 27, *Friday*.—Mid-year examinations end in Columbian College and Corcoran Scientific School.
- Jan. 30, *Monday*.—Second Term begins in Columbian College and Corcoran Scientific School.
- Feb. 1, *Wednesday*.—Annual Meeting of the General Association of Alumni.
- Feb. 22, *Wednesday*.—Washington's Birthday; a holiday.
- Mar. 31-April 3, *Friday to Monday*.—Easter holidays.
- May 10, *Wednesday*.—Examinations for Degrees completed in Columbian College, Corcoran Scientific School, and School of Graduate Studies.
- May 11, *Thursday*.—Last day on which Theses may be presented to the Dean of the School of Graduate Studies.
- May 15, *Monday*.—Examinations completed in Medical School and Dental School.
- May 17, *Wednesday*.—Examinations for Degrees completed in Law School and School of Comparative Jurisprudence and Diplomacy.

*All dates inclusive.

1899.

May 22, *Monday*.—Doctorate Disputation.

May 26, *Friday*.—Davis Prize Speaking in the Columbian College.

May 28, *Sunday*.—Baccalaureate Sermon.

May 30, *Tuesday*.—Final Examinations completed and session closed in Columbian College and Corcoran Scientific School.

May 29-31, *Monday to Wednesday*.—Examinations for Admission to Columbian College.

May 31, *Wednesday*.—Annual Meeting of the Board of Trustees.

May 31, *Wednesday*.—University Commencement.

June 19, *Monday*, to July 29, *Saturday*.—Session of the Summer School.

SUMMER VACATION.

Sept. 25, *Monday*.—Fall Examinations in Medical School and Dental School.

Sept. 25-27, *Monday to Wednesday*.—Examinations for Admission to Columbian College.

Sept. 27, *Wednesday*.—Academic Year begins in Columbian College, Corcoran Scientific School, and School of Graduate Studies.

Oct. 2, *Monday*.—Academic Year begins in Law School, School of Comparative Jurisprudence and Diplomacy, Medical School, Dental School, and Graduate Veterinary School.

Nov. 30-Dec. 3, *Thursday to Saturday*.—Thanksgiving recess.

Dec. 6, *Wednesday*.—Annual Meeting of the General Association of Alumni.

RECESS FROM DECEMBER 25, 1899, TO JANUARY 1, 1900, INCLUSIVE.

1900.

Jan. 26, *Friday*.—Mid-year Examinations completed in Columbian College.

Jan. 27, *Saturday*.—Mid-year Examinations completed in Corcoran Scientific School.

1900.

- Jan. 29, *Monday*.—Second Term begins in Columbian College and Corcoran Scientific School.
- Feb. 22, *Thursday*.—Washington's Birthday; a holiday.
- April 13, 14, *Friday, Saturday*.—Easter holidays.
- April 28, *Saturday*.—Lectures close in Graduate Veterinary School.
- May 9, *Wednesday*.—Examinations for Degrees completed in Columbian College, Corcoran Scientific School, and School of Graduate Studies.
- May 11, *Friday*.—Last day on which Theses may be presented to the Dean of the School of Graduate Studies.
- May 14, *Monday*.—Examinations completed in Medical School and Dental School.
- May 16, *Wednesday*.—Examinations for Degrees completed in Law School and School of Comparative Jurisprudence and Diplomacy.
- May 21, *Monday*.—Doctorate Disputation.
- May 27, *Sunday*.—Baccalaureate Sermon.
- May 28-30, *Monday to Wednesday*.—Examinations for Admission to Columbian College.
- May 29, *Tuesday*.—Final Examinations completed and session closed in Columbian College and Corcoran Scientific School.
- May 30, *Wednesday*.—Annual Meeting of the Board of Trustees.
- May 30, *Wednesday*.—University Commencement.

EDUCATIONAL ADVANTAGES OF WASHINGTON.

The Columbian University has special educational advantages in virtue of its location at the National Capital. The spirit of nationalism in Washington, the close association with public men and public questions, constitute a humanizing influence of the greatest value in the development of the American scholar. To the undergraduate or graduate student of the arts and sciences, to the professional student in law, diplomacy, medicine, dentistry, or veterinary medicine, Washington furnishes opportunities and facilities for study unrivalled by any American city.

Special libraries and large collections, illustrative of the various arts and sciences, have been accumulated by the action of Congress through a long series of years.

In view of the fact that in collecting such archives and materials it was the original purpose of the Government "to promote research and the diffusion of knowledge," the Congress of the United States has made these treasures accessible to students under the terms of the following joint resolution, approved April 12, 1892:

"Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That the facilities for research and illustration in the following and any other governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

1. Of the Library of Congress.
2. Of the National Museum.
3. Of the Patent Office.
4. Of the Bureau of Education.
5. Of the Bureau of Ethnology.
6. Of the Army Medical Museum.
7. Of the Department of Agriculture.
8. Of the Fish Commission.
9. Of the Botanic Gardens.
10. Of the Coast and Geodetic Survey.
11. Of the Geological Survey.
12. Of the Naval Observatory."

To students of Law and of Diplomacy the peculiar advantages of Washington are manifest. The Supreme Court is in session from October to May, and on each Monday morning delivers opinions orally. Students may listen to these and thus keep in touch with the latest utterances of the greatest court. The Supreme Court Library is open to students, and the State Department, with its large library, affords facilities for the study of diplomacy. Congress is in session during the winter, and here

the student sees the practical workings of the largest and most important legislative body, and listens to the discussion of matters touching interstate and foreign commerce and diplomatic relations. Here one comes into contact with the practical workings of the National Government in all its parts, and may secure the views and advice of practical men in all the great departments.

Many of the lecturers in the Schools of Law occupy the most important official positions in the gift of the nation and speak from a practical knowledge of the subjects they teach.

To medical and dental students the facilities for study and research are no less remarkable. The Army Medical Museum, which is open for inspection daily, presents a field for study superior to any other institution of the kind, either in this country or Europe. It has an unrivalled collection of anatomical and pathological specimens, illustrating normal anatomy and the results of disease in every form, and an almost unlimited number of other preparations showing the effect of gunshot wounds and surgical injuries of every kind. It also contains almost numberless crania of every human nationality, by an examination of which the student can find many dentures of theoretical perfection, and observe the effect of civilization and race admixture upon the dental organs.

At the United States Patent Office models of every conceivable form of dental instruments may be daily inspected, thus affording to the student an invaluable opportunity for studying the mechanical contrivances used in dental practice.

In the National Museum is found the most complete and best arranged collection of *Materia Medica* in the world. The drugs are shown in all their processes of manufacture, from the original package to the delicate alkaloid constituting the active principle.

Of great interest also are the Government Botanical Gardens and the grounds of the Agricultural Department, where there are rare collections of medicinal plants, from which are derived many of the preparations of the *Materia Medica*.

There could be no more appropriate location for a graduate veterinary college than the capital of this great stock-growing country. In the library of the Department of Agriculture and of the Bureau of Animal Industry may be found a vast collection

of works on veterinary medicine and hygiene, bacteriology, and the record books of all the important breeds of animals. The veterinary student will also find here the laboratory and experiment station of the Bureau of Animal Industry, where the highest class of investigations of animal diseases is conducted. These are model institutions, unequalled for their purpose in this country and unsurpassed in the world.

Statesmen, jurists, diplomatists, and legislators are in Washington. Scientific investigations conducted by the Government attract the most eminent scientists; the directory of the Washington Academy of Sciences and Affiliated Societies shows for 1899 a membership of 2,088. The National Capital is a place of meeting for scientific associations and international congresses of all kinds. It is the one city where the student from any part of the country is sure to find a congenial environment.

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The University Council will meet in committee on the first Monday of each month at 4 o'clock p. m.

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THE COLUMBIAN UNIVERSITY.

ALUMNI ASSOCIATIONS.

AN ADDRESS BY THE PRESIDENT OF THE COLUMBIAN UNIVERSITY, AND SECRETARY OF THE GENERAL ALUMNI ASSOCIATION, AT A MEETING OF THE SOCIETY OF THE GRADUATES OF THE COLUMBIAN UNIVERSITY, HELD AT THE UNIVERSITY, ON THE 15TH OF MARCH, 1898.

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Professor of Oral Surgery, 612 Thirteenth Street.
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Demonstrator of Pathology, 1744 M Street
- JOHN MARSHALL HARRIS, LL. D.,
Professor of Conflict of Laws, of Comparative Constitutions and
Law, of Constitutional Jurisprudence of the United States,
of the Law of Domestic Relations, of Torts, and of Personal
Property, Fourteenth Street and Euclid Place
- WILLIAM T. HARRIS, Ph. D., LL. D.,
Professor of Philosophy, 1303 P Street.
- ALBERT HASSALL, M. R. C. V. S.,
Professor of Parasitology, Department of Agriculture.
- GEORGE B. HEINECKE, M. D.,
Prosecutor to the Chair of Anatomy, 804 Eleventh Street.

OFFICERS OF INSTRUCTION AND ADMINISTRATION. XVI

DAVID J. HILL, LL. D.,
Professor of European Diplomacy and Treaties,
 1515 K Street

ALBERT M. HILLIKER,
Professor of Philosophy, 230 Twelfth Street, S. W.

HARRY GRANT HODGKINS, A. B.,
Instructor in Mathematics, U. S. Naval Observatory

HOWARD LINCOLN HODGKINS, PH. D.,
Dean of the Columbian Scientific School and Professor of Mathematics and Physics, 1830 T Street.

CHARLES WENDELL HOLMES,
Registrar of the University, 2102 Eighteenth Street.

A. B. HOGE, M. D.,
Professor to the Chair of Anatomy, 520 Thirteenth Street.

J. C. HORNELOWER,
Professor of Architecture, 1509 H Street.

WILLIAM WIRT HOWE,
Professor of Ancient Law, of Roman Law, and of Mediæval and Modern Civil Law, New Orleans, La.

PRESLEY C. HUNT, M. D.,
Assistant Demonstrator in Anatomy, 2045 N Street

ABRAHAM JUDSON HUNTINGTON, A. M., D. D.,
Dean of the Columbian College and Professor of Greek,
 1010 N Street

CHARLES SUMNER HYDE, A. M.,
Assistant in German, 924 K Street.

E. HUDON JACKSON, A. M., LL. M.,
Instructor in Latin and Latin Literature in the Science School,
 809 Thirteenth Street

VIRGIL B. JACKSON, M. D.,
Assistant Demonstrator of Anatomy, 809 Thirteenth Street

GEORGE JOHNSON, D. V. S.,
Professor of Anatomy,

HENRY L. E. JOHNSON, M. D.,
Professor of Gynecology, 1402 I Street

- HENRY W. JOHNSON, D. D. S.,
Demonstrator in Charge of Dental Instruction, 1405 F Street,
Philadelphia, Pa.
- JOSEPH FRENCH JOHNSON, A. B.,
Professor of Money, Credits, and Foreign Exchange,
1208 K Street.
- LINCOLN JOHNSON, M. D.,
Professor in the Chair of Anatomy, 1827 Sixteenth Street.
- WILLIAM G. JOHNSON, LL. M.,
Professor of Legal Calculations and Commercial Practice,
1437 L Street.
- GEORGE W. JOHNSTON, M. D.,
In Charge of Clinical Laboratory Instruction, 1437 L Street.
- WILLIAM W. JOHNSTON, M. D.,
*Professor of Theory and Practice of Medicine and Professor
of Clinical Medicine*, 1603 K Street.
- FREDERICK C. JONES, B. S.,
Assistant in Chemistry, 946 F Street, S. W.
- J. E. JONES, M. D.,
Assistant Demonstrator of Anatomy, 1618 T Street.
- ALBERT FREEMAN AMERICAN KING, A. M., M. D.,
Professor of Obstetrics and the Diseases of Women and Children,
1315 Massachusetts Avenue.
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Professor of Dealing, 1335 Q Street.
- ALFRED KLAKRING,
Assistant in Topographical Drawing, 1137 New Jersey Avenue.
- MARTIN A. KNAPP, LL. D.,
Lecturer on Interstate Commerce Law, The Portland
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Junior Demonstrator of Chemistry, 1305 H Street.
- FRANK LEITCH, M. D.,
*Demonstrator of Minor Surgery and Assistant Demonstrator of
Anatomy*, 1715 Fourteenth Street.

OFFICERS OF INSTRUCTION AND ADMINISTRATION. XIX

- JAMES HALL LEWIS, D. D. S.,
Dean of Dental School and Professor of Prosthetic Dentistry,
1023 Vermont Avenue.
- JOHN LOCKWOOD, D. V. S.,
Professor of Theory and Practice of Medicine and Surgery,
730 Fourth Street.
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Professor of Political Philosophy, 1728 Eighteenth Street.
- WALTER ALFRED LOW, D. D. S.,
Assistant Demonstrator of Dentistry,
620 Pennsylvania Avenue, S. E.
- THOMAS L. MCARDLE, A. M., M. D.,
Professor of Menstrual Surgery, 1120 Sixteenth Street.
- OSCAR A. M. McKIMMIE, M. D.,
Director of Apprentices for Matriculation in the Medical School,
1216 Massachusetts Avenue.
- DAVID McMASTER, V. S., M. D.,
Professor of Education of the Horse, 1305 1307 G Street.
- CHARLES EVERETT McNABB, LL. M.,
Lecturer in Business Law, 913 Westminster Street.
- JULIUS MAILLET,
Assistant in French, 1640 Rhode Island Avenue.
- CHARLES FREDERICK MARVIN, M. E.,
Associate Professor of Microbiology, 1923 Thirteenth Street.
- OTIS TUFTON MASON, Ph. D., LL. D.,
Lecturer on Anthropology and the Origins of Culture,
1731 P Street.
- WILLIAM F. MATTINGLY, Esq.,
Professor of Practical Commercial Law, 1616 H Street.
- WILLIAM A. MAULEY, LL. D.,
Professor of Equity Jurisprudence, of Common Law and Equity, Pharmacy, of the Jurisdiction and Practice of the United States Courts, of the Law of Evidence, and of the Jurisdiction and Practice of the Federal Courts,
1767 Massachusetts Avenue.
- THOMAS HERBERT MEANS, B. S.,
Assistant in Physics in the Summer School,
U. S. Geological Survey.

- GEORGE P. MERRILL, PH. D.,
Professor of Geology and Mineralogy, Cosmos Club.
- EMIL H. MEYER,
Instructor in Fine Arts, 2121 Ward Place.
- FRANCIS P. MORGAN, M. D.,
Professor of Pharmacology, 1230 Ninth Street.
- EDWARD F. MORSE, M. D.,
Demonstrator of Obstetrics, 1521 I Street.
- EDWARD ADAMS MUIF, B. S.,
Instructor in Machine Drawing, The Savoy.
- CHARLES EDWARD MUNROE, PH. D.,
Dean of the School of Graduate Studies and Professor of Chemistry, 1729 Riggs Place.
- CHARLES W. NEEDHAM, LL. M.,
Dean of the School of Comparative Jurisprudence and Diplomacy, Professor of Comparative Jurisprudence, Transportation, and Interstate Commerce Law, the History of Law, Trusts, and Federal Unions, and in Charge of the Most Court Week, 1631 Massachusetts Avenue.
- HARRY T. NEWCOMB, LL. M.,
Instructor in Statistics, 1607 T Street.
- JOHN B. NICHOLS, M. D.,
Demonstrator of Normal Histology.
- W. A. NORGARD, D. V. S.,
Professor of Comparative Pathology.
- WILLIAM ORDWAY PARTRIDGE,
Lecturer on Fine Arts, Cosmos Club.
- W. F. R. PHILLIPS, M. D.,
Professor of Hygiene and Assistant Demonstrator of Anatomy, 1418 I Street.
- JOSEPH PIERCE, JR., A. M.,
Professor of Applied Geometry, 1325 Massachusetts Avenue.
- EDWARD B. POLLARD, PH. D.,
Professor of Biblical Literature, 1710 P Street.
- MINOTT E. PORTER, B. S.,
Assisted in Geography, Naval Observatory.

OFFICERS OF INSTRUCTION AND ADMINISTRATION XXI

- JOHN WESLEY POWELL, A. M., LL. D.,
Lecturer in History of Culture, 910 M Street
- DANIEL WEBSTER PRENTISS, A. M., M. D.,
Professor of Material Medical and Therapeutics,
1218 Ninth Street
- HENDERSON PRISNELL,
Assistant Professor of Librarian Science, 112 Florida Avenue.
- HENRY A. PRESSY, B. S.,
Assistant Professor of Civil Engineering,
14 Third Street, N. E.
- W. EDWIN PRIEST,
Assistant Professor of History, 903 French Street.
- MARATHON MONTEGRO RAMSEY, A. M.,
Professor of Romance Languages, 2120 H Street
- WALTER REED, M. D.,
Professor of Pathology and Bacteriology, 5 Cooke Place.
- FRED. F. REISSNER, E. E.,
Assistant in Physical Laboratory, 323 T Street.
- CHARLES RUSSELL RICE, M. D., D. P. S.,
Demonstrator in Charge of Dental Laboratory, 57 K Street.
- HERBERT LOUIS RICE, M. S.,
Professor of Astronomy, 2132 Thirty-fifth Street.
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- EDWARD E. RICHARDSON, M. D.,
Assistant Demonstrator of Anatomy,
400 Third Street, S. W.
- STERLING RUFFIN, M. D.,
*Professor of Medical Jurisprudence and Demonstration of
Anatomy,* 1023 Vermont Avenue
- D. E. SALMON, D. V. M.,
*Dean of the Graduate Veterinary School and Professor of Sur-
gical Medicine, Control and Eradication of Contagious Dis-
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- RAYMOND SAYRE,
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Professor of German and of Continental History,
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*Dean of the Medical School and Professor of Chemistry and
Toxicology,*
1023 Vermont Avenue.
- EDWARD G. SEIBERT, M. D.,
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24 Grant Place.
- AURELIUS RIVES SHANDS, M. D.,
Professor of Orthopedic Surgery,
1305 H Street
- D. KERFOOT SHUTE, A. B., M. D.,
Professor of Anatomy,
1318 L Street
- SAMUEL MOORE SHUTE, A. M., D. D.,
Emeritus Professor of English,
Kerfoot, Virginia
- HENRY SIMPSON,
Associate Professor of Architecture, 1425 New York Avenue
- Z. V. SPINOZA,
Assistant in Spanish,
1212 K Street
- AINSWORTH R. SPOFFORD, LL. D.,
Professor of Library Science, 1621 Massachusetts Avenue
- TIMOTHY W. STANTON, A. M., PH. D.,
Instructor in Paleontology and Stratigraphical Geology,
100 Seventh Street, N. E.
- FRANCIS H. STEPHENS, LL. M.,
Instructor in Moot Court Work,
344 D Street.
- CIT. WARDELL STILES, PH. D.,
Lecturer on Zoölogy,
The Woodmont
- JAMES MACBRIDE STERRETT, A. M., D. D.,
Professor of Intellectual and Moral Philosophy,
Pierce Mill Road, D. C.
- T. RICHIE STONE, M. D.,
Clinical Professor of Greater-Ventricle Diseases,
1345 F Street.
- CHRISTIAN G. STORM, B. S.,
Assistant in Chemistry,
9 K Street, N. E.
- CHARLES C. SWISHER, PH. D.,
Professor of American and English History, 1702 L Street.

OFFICERS OF INSTRUCTION AND ADMINISTRATION. ANM

- EDMUND LEE TOMPKINS, M. D.,
Professor of Nervous Diseases and Clinical Professor of Medicine, 1512 Q Street.
- HENRY CLAY THOMPSON, D. D. S.,
Lecturer on Operative Dentistry, 118 E Street.
- J. FORD THOMPSON, M. D.,
Professor of Surgery, 804 Seventeenth Street.
- ERNEST LAWTON THURSTON, C. E.,
Instructor in Drawing, 1508 Kenesaw Avenue.
- B. F. TILFENTHALER,
Assistant Demonstrator, 516 Tenth Street.
- WILLIAM H. TRAIL, D. D. S.,
Demonstrator in Charge of Dental Technology, 612 Thirteenth Street.
- MAYVILLE W. TWITCHELL,
Instructor in Geology and Mineralogy in the Summer School, 730 Twenty-first Street.
- DOMINGO A. USINA, C. E.,
Assistant Professor of Applied Mathematics, 1207 O Street.
- WILLIS VAN DEVANTER,
Professor of Equity Pleading and Practice, 2108 Wyoming Avenue.
- JOHN VAN RENSSELAER, A. B., M. D.,
Professor of Surgical Pathology and Clinical Professor of Surgery, 2 Thomas Circle.
- LESTER F. WARD, Ph. D.,
Lecturer on Sarcosaps, 1464 Rhode Island Avenue.
- WILLIAM S. WASHBURN, M. D.,
Professor of Normal Histology, 1725 M Street.
- R. WASHINGTON, M. D.,
Assistant Demonstrator of Anatomy,
- JOHN R. WELLINGTON, A. M., M. D.,
Demonstrator of Micro-Surgery and Assistant Demonstrator of Anatomy, 1335 S Street.
- WILLIAM P. WELMERE, M. D.,
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CARELL WHITEHEAD, Ph. D., <i>Lecturer on Metallurgy,</i>	1402 N Street
WILLIAM ALLEN WILBUR, A. M., <i>Professor of English,</i>	1819 Riggs Place
HARVEY WASHINGTON WILLY, Ph. D., M. D., <i>Professor of Agricultural Chemistry,</i>	1314 Tenth Street
THOMAS A. WILLIAMS, A. M., <i>Assistant in Botany,</i>	Takoma Park
WILLIAM P. WILSON, Sc. D., <i>Professor of International Trade and Commerce of Goods etc.,</i>	Philadelphia, Pa
FRANK A. WOLFE, JR., Ph. D., <i>Professor of Physics and Electrical Engineering,</i>	18 Iowa Circle
SAMUEL WALLER WOODWARD, <i>Treasurer,</i>	2015 Wyoming Avenue
CARROLL D. WRIGHT, LL. D., <i>Lecturer on Social Statistics,</i>	1345 Vermont Avenue
HENRY C. YARROW, M. D., <i>Professor of Dermatology,</i>	814 Seventeenth Street

JANITORS.

WALTER L. LEWIS, University Hall
RIXON T. HARRIS, University Hall
EDWARD TOLIVER, University Hall
WALTER HONESTY, Medical School
ROBERT HAMILTON, Medical School
HEZEKIAH RANDOLPH, Law Lecture Hall
ROBERT POWELL, The University Hospital

THE COLUMBIAN COLLEGE.

THE FACULTY.

BENAIAH L. WHITMAN, D. D.,

President.

Rev. ADONIRAM J. HUNTINGTON, D. D.,

Dean and Professor of Greek.

Rev. SAMUEL M. SHUTE, D. D.,

Emeritus Professor of English.

JAMES HOWARD GORE, Ph. D.,

Professor of Mathematics and Secretary of the Faculty.

HOWARD L. HODGKINS, Ph. D.,

Professor of Physics.

LEE DAVIS LODGE, Ph. D.,

Professor of Political Science.

Rev. JAMES MACBRIDE STERRETT, D. D.,

Professor of Intellectual and Moral Philosophy.

CHARLES E. MUNROE, Ph. D.,

Professor of Chemistry.

HERMANN SCHOENFELD, Ph. D.,

Professor of Germanic Language and Literature.

EDWARD B. POLLARD, Ph. D.,

Professor of Biblical Literature.

MARATHON MONTROSE RAMSEY, A. M.,

Professor of Romance Languages.

THE COLUMBIAN UNIVERSITY.

CHARLES C. SWISHER, PH. D.,
Professor of History.

WILLIAM ALLEN WILBUR, A. M.,
Professor of English.

CHARLES W. DOWNING, A. M.,
Professor of Latin.

LECTURERS.

HON. JOHN W. POWELL, LL. D.,
Lecturer on the History of Culture.

OTIS T. MASON, PH. D., LL. D.,
Lecturer on the Origins of Culture.

LESTER F. WARD, A. M., LL. D.,
Lecturer on Sociology.

WILLIAM ORDWAY PARTRIDGE,
Lecturer on the Fine Arts.

MEMBERS OF THE FACULTY OF THE CORCORAN SCIENTIFIC
SCHOOL OFFERING COURSES OPEN TO COLLEGE STUDENTS.

THEODORE N. GILL, PH. D.,
Professor of Zoölogy.

GEORGE P. MERRILL, PH. D.,
Professor of Geology and Mineralogy.

F. LAMSON-SCRIBNER, B. S.,
Professor of Botany.

HERBERT L. RICE, M. S.,
Professor of Astronomy.

STANDING COMMITTEES OF THE FACULTY.

Committee on Admission of Students.

Professors WILBUR, POLLARD, and SWISHER.

Committee on Degrees.

Professors LODGE, GORE, and HODGKINS.

Committee on the Library.

Professors MUNROE, RAMSEY, and SCHOENFELD.

COURSES OF INSTRUCTION.

The regular courses of instruction are comprised in twelve departments, as follows:

- I. BIBLICAL LITERATURE.
- II. CHEMISTRY: General, Inorganic and Organic Chemistry, Laboratory Practice, Qualitative and Quantitative Analysis.
- III. ENGLISH: The English Language and Literature, Rhetoric and Composition.
- IV. GERMANIC LANGUAGE AND LITERATURE.
- V. GREEK: The Greek Language and Literature.
- VI. HISTORY: Ancient, Mediæval, and Modern History.
- VII. LATIN: The Latin Language and Literature.
- VIII. MATHEMATICS: Pure Mathematics and Mechanics.
- IX. PHILOSOPHY.
- X. PHYSICS.
- XI. POLITICAL SCIENCE: Politics, Economics, Jurisprudence.
- XII. ROMANCE LANGUAGES: The French Language and Literature, the Spanish Language and Literature, and the Italian Language and Literature.

THE CORCORAN SCIENTIFIC SCHOOL offers courses in Astronomy, Botany, Geology and Mineralogy, and Zoölogy, which are open to College students.

SCHEDULE OF RECITATIONS FOR THE SESSION OF 1899-1900.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
9 15-10 15	Mathematics.	Greek.	Mathematics.	Latin.	Mathematics.
10 15-11 15	Physics.	Physics.	English Literature.	Greek & Physics.	Latin.
11 15-12 00	Chemistry.		Chemistry.	Chemistry.	French.
12 20-1 20	French.	French.	Latin.	German.	Greek.
1 20-2 15	German.	English.	German.	English.	
2 15-3 15	Chemical Laboratory.			Chemical Laboratory.	
3 15-4 15	Chemical Laboratory.			Chemical Laboratory.	
4 15-5 15	Latin.	English.	History.	German.	French.
6 15-7 15	Physics (A, B).	Physics, A, B.	Mathematics.	Physics (A, B).	Greek & Physics.
7 15-8 15	Chemistry.	Mathematics.	Chemistry.	Chemistry.	Latin.
8 15-9 15	English.	German.	English.	Greek & Physics.	German.
9 15-10 15	Greek & Physics.	French.	French.	History.	Mathematics.
10 15-11 15	Chemical Laboratory.	History.	Latin & Chemical Laboratory.	Chemical Laboratory.	
11 15-12 15	Chemical Laboratory.		Chemical Laboratory.	Chemical Laboratory.	

Freshman.

Sophomore.

Arrangements for classes not scheduled will be made upon application.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
9.30-10.15	German Latin	Psychology Political Philosophy	German Latin	English Latin	Political Philosophy German
11.00-12.00	Psychology	French	Greek Physics	Psychology	Mathematics
12.30-1.20	History.	French Physics	Mathematics Biblical Literature	French	English Physics
1.30-2.15	English	Physics	History	French Biblical Literature	Physics Greek
2.30-3.15	Mathematics Chemical Laboratory	Biblical Literature	French Chemical Laboratory	History Chemical Laboratory	
3.15-4.15	Chemical Laboratory		Chemical Laboratory	Chemical Laboratory	
5.15-6.10	Ethics	German (Constitutional Law)	Political Economy	Ethics	Latin
6.15-7.00	Political Economy.	Ethics	Greek Physics	Political Economy	English
7.15-8.00	Latin	International Law	Latin Theory of the State	Mathematics	German
8.15-9.00	Theory of the State	English Physics	French Biblical Literature	History	Physics
9.15-10.00	Mathematics	Physics History	English	French (Greek Literature)	Physics
10.15-11.00	History of Civilization	French.	History of Civilization	(Greek Literature)	
11.15-12.00	Chemical Laboratory	Biblical Literature	Chemical Laboratory	Chemical Laboratory	
12.15-1.00	Constitutional History		Mathematics	History	
1.15-2.00	Chemical Laboratory		Constitutional History	Chemical Laboratory	
2.15-3.00			Chemical Laboratory	Chemical Laboratory	

Section.

I.—BIBLICAL LITERATURE.

PROFESSOR POLLARD.

In this department the history, the contents, and literary forms of the Old and New Testaments are taught. The aim is not theological or dogmatic, but literary and historical, the student being guided into correct methods of Bible study and enabled to realize the cultural value of the Biblical classics.

The following courses are offered for the session 1899-1900:

1.3-4*. Hebrew Prophecy. A study of the national and religious ideals of Israel from the beginnings of written prophecy to the fall of Jerusalem. Two hours,† first term.

2.3-4. The Hebrew Wisdom Literature. Study in the nature of the work and writings of the "Wise Men" of Israel: Hebrew practical philosophy, with special study of Proverbs, Job, and Ecclesiastes. Two hours, second term.

3.3-4. History of the Kingdom of Israel—studied in the light of modern excavation and research. One hour.

4.3-4. Lectures, and Studies in the Life and Times of Christ. Two hours, first term.

5.3-4. Studies in the Life and Writings of Paul. Two hours, second term.

6.3-4. The History of the Bible as a Book, from early manuscripts and versions to the latest English translations and printed Bibles; the influence of the English versions upon English life and letters. One hour.

7.3-4. New Testament Greek. Readings in the Gospels and Epistles, with reference not only to their contents, but also to the Hebraic influence upon the language, and the divergences

* Decimals indicate the year in which the course is taken: Freshman, .1; Sophomore, .2; Junior, .3; Senior, .4. Courses open to Juniors and Seniors, .3-4.

† Unless otherwise stated, hours per week throughout the year.

of the Hellenistic Greek from classic usage. A working knowledge of classic Greek is presupposed.

S.3-4. The Hebrew Language. A study of Hebrew Grammar, and selected readings from the Hebrew Bible. Two hours.

During the past session, the Biblical Club, composed of students in this department, has met at the home of the Professor, for social intercourse, exchange of views, and the hearing of lectures from invited speakers upon Biblical and Oriental themes.

II.—CHEMISTRY.

PROFESSOR MUNROE.

21.1-2. General, Inorganic and Organic Chemistry: lectures and recitations. Students are required to work out problems and exercises in the preparation hours preceding lectures. Three hours.

Barker's Elementary Chemistry; Remsen's Organic Chemistry.

22.1-2. Laboratory Practice: a laboratory course for the study of the principles of chemistry and the methods of conducting chemical experiments. Two hours.

Cooke's Laboratory Practice.

23.2. Preparation of and Study of the Properties of Chemical Substances. Three hours.

Thorpe's Inorganic Chemical Preparations; Appleton's Easy Experiments of Organic Chemistry.

24.3. Qualitative Analysis. Three hours.

Clowe's Qualitative Analysis.

25.4. Quantitative Analysis. Three hours.

Newth's Manual of Chemical Analysis.

Students must provide themselves in all the laboratory courses with note-books, towels, and the necessary equipment for work. Apparatus and material are supplied by the University.

III.—ENGLISH.

PROFESSOR WILBUR.

Courses of study in the department of English are classified, according to their distinctive character, as either rhetorical or literary. The purpose of the first group of studies is (1) to discover by analysis principles of style; (2) to form by constant practice a style based on these principles; (3) to trace the evolution of a standard of writing by a study of prose masterpieces from Elizabeth's time to the present. The purpose of the second group of studies is to give the student acquaintance with the great representative writers, and to cultivate power of appreciation and refinement of taste by a study of the best literature.

Rhetoric and Composition.

11.1. Practical Rhetoric. Rhetorical analysis and composition. (Text-books, *Practical Elements of Rhetoric*, Genung; *Hand-book of Rhetorical Analysis*, Genung.) This course presupposes a knowledge of the elements of rhetoric. Two objects are contemplated: (1) a verification of rhetorical theories by the analysis of selections from the best writers, with definite, practical deductions to guide in criticism and composition; (2) the application of rhetorical rules in paragraph and theme writing. Two hours.

12.2. English Prose. A critical study of representative prose works in chronological order from the time of Elizabeth, tracing the development of prose style and literature. Three hours.

13. English Composition. Practice in the various forms of discourse and studies in style. This is an advanced course in English composition: it consists of themes, fortnightly essays, class studies, and lectures. Text-book: *English Composition*, Wendell.) One hour. (Omitted in 1899-1900.)

Language and Literature.

14.1. English Literature. The history and development of English Literature; a lecture course with illustrative readings from English authors. One hour.

45.3. Spenser and Milton. A comparative study of Elizabethan and Puritan Poetry. Three hours, first term.

46.3. American Literature. Studies in American Literature: lectures in history and criticism, and the discussion of papers prepared by the class. Three hours, second term.

47.4. Shakespeare. The English Historical Plays: King John; King Richard II; King Henry IV, parts i, ii; King Henry V; King Henry VI, parts i, ii, iii; King Richard III; King Henry VIII. Three hours, first term.

48.4. Shakespeare. A group of selected plays studied comparatively. Three hours, second term.

49.3-4. Old English. Elementary course. (Text-books, *First Book in Old English*, Cook; *Exercises in Old English*, Cook.) The essentials of the grammar and the reading of Old English texts. Two hours.

IV.—GERMANIC LANGUAGE AND LITERATURE.

PROFESSOR SCHOENFELD.

Instruction in this department has, as its primary object, a thorough knowledge of the grammar and familiarity with the literature and history, with such practice in conversation as shall serve as a stimulus in the furtherance of this object.

German grammar is studied during the first three years of the course, with its principles illustrated from the class readings and written exercises.

61.1. Review of elementary grammar; accurate training in phonetics and translation into German; beginning of conversation; readings from the best German prose-writers and poets. Three hours.

62.2. German syntax; extensive translation into German; selected stories; beginning of classical reading and literature; elements of German history. Three hours.

63.3. Study of the principal difficulties of the language: idioms, synonyms (Sanders' *Hauptschwierigkeiten der deutschen*

Sprache); German essays; literature of the second German Blüteperiode; German history; extensive reading from the classics. Three hours.

64.4. Elements of philology; survey of German literature and its relation to the other Germanic peoples; history of the old and the new German Empire; extensive classical reading; introduction into the *Nibelungen Lied* and the *Gudrun Saga*. Three hours.

V.—GREEK.

PROFESSOR HUNTINGTON.

In this department instruction is given in the Greek Language and Literature. The following books are used as text-books: Goodwin's and Hadley's Greek Grammars, and Allinson's Greek Prose Composition.

Lectures are given to the higher classes on Greek Literature.

Frequent exercises are assigned to the classes in rendering English into Greek, and especially English translations from Greek authors.

Liddell and Scott's Greek Lexicon, Kühner's Greek Grammar, Goodwin's Greek Moods and Tenses, Findlay's or Long's or Ginn and Co.'s Classical Atlas, Smith's Greek and Roman Antiquities, and Smith's, Grote's, and Curtius' Histories of Greece are recommended to students in all the classes.

81.1. Homer; Herodotus. Three hours.

82.2. Xenophon (*Memorabilia*); Lucian. Three hours, first term.

83.2. Isocrates and Lucian., Three hours, second term.

84.3. Sophocles, Euripides, Thucydides, and Demosthenes. Three hours.

85.4. Plato and Æschylus, or Aristophanes. Two hours.

VI.—HISTORY.

PROFESSOR SWISHER.

The required work in History extends through the Sophomore year, and embraces a careful survey of the more important facts of Mediæval History in their relation of cause and effect. It is designed almost exclusively as a preparation for the fuller election of the two following years, in which it is sought to afford students the training in History necessary to an intelligent discharge of the duties of citizenship, the prosecution of political or professional studies, or the work of investigation and research in the School of Graduate Studies. The work is conducted by means of text-books, lectures, reading, and reports, in all of which it is sought to familiarize the student with original sources.

European History.

101.1. Mediæval History. Three hours, first term.

102.1. Renaissance and Protestant Reformation. Three hours, second term.

103.2. Rise and Fall of French Ascendency. Three hours, first term.

104.2. French Revolution and Napoleonic Wars. Three hours, second term.

105.3. Political History of Europe, from Congress of Vienna to that of Berlin. Three hours, first term.

106.3. Present Political Situation in Europe. Three hours, second term.

English History.

107.3-4. English History through the Revolution of 1688. Three hours, one term.

108.3-4. The British Empire—Development and Expansion after the Treaty of Utrecht. Three hours, one term.

109.3-4. English Constitutional History. Two hours, one term.

American History.

110.3-4. Colonial and Revolutionary Periods to the Adoption of the Constitution of 1789. Three hours, one term.

111.3-4. Development under the Constitution to present time. Three hours, one term.

112.3-4. American Constitutional and Political History. Two hours, one term.

VII.—LATIN.

PROFESSOR DOWNING.

The instruction in this department has in view (1) as thorough knowledge as possible of the idiomatic forms and syntactical relations of the Latin Language; (2) an appreciation of the genius of the Roman people as set forth in their literature. The former is sought through careful translation into English at each recitation, and one exercise each week in Latin Prose; the latter through informal lectures, suggested by the text under discussion, on the origin and development of the different branches of literature, on social and political life, etc.

The following courses, subject to slight changes, are given:

121.1. Cicero (*De Senectute* or *De Amicitia*), Horace (*Odes*). Three hours, first term.

122.1. Livy (Books I and II or XXI and XXII). Three hours, second term.

123.2. Horace (*Satires* and *Epistles*), Pliny (*Selected Letters*). Three hours, first term.

124.2. Tacitus (*Germania*), Cicero (*Selected Letters*). Three hours, second term.

125.3. Tacitus (*Agricola* and *Annals* I and II). Three hours, first term.

126.3. Juvenal, Cicero (*Brutus*). Three hours, second term.

127.4. *Plantus (Captivi)*, Terence (*Phormio*). Primer of Roman Literature. Three hours, first term.

128.4. *Lucretius* Book I, *Vergil* (Selections studied from literary standpoint). Three hours, second term.
Prose Composition in each course.

VIII.—MATHEMATICS.

PROFESSOR GORE.

In this department instruction is offered in twelve courses.

141.1. Solid Geometry: Gore's Plane and Solid Geometry. Three hours, for two months.

142.1. Algebra, including determinants: Taylor's Algebra. Three hours, for three months.

143.1. Plane Trigonometry: Wells' Trigonometry. Three hours, for two months.

144.2. Spherical Trigonometry: Wells' Trigonometry. Three hours, for two months.

145.2. Analytic Geometry: Nichols' Analytic Geometry. Three hours, for four months.

146.2. Theory of Equations: Chapman's Theory of Equations. Three hours, for two months.

147.3. Differential and Integral Calculus. Taylor. Three hours, for five months.

148.3. Differential Equations; lectures, notes by Professor Gore. Three hours, for three months.

149.4. Theory of the Complex Variable: lectures with references to Durège and Forsyth. Two hours, for one term.

150.4. Elliptic Functions, Baker. Two hours, for one term.

In all of the above courses the text is supplemented by lectures and the principles emphasized by proposing for solution

a large number of problems taken from the best European and American authorities.

While the disciplinary value of the study of mathematics is never lost sight of, the importance of its practical application is insisted upon.

Optional Courses.

151.4. Analytical Mechanics. One hour.

152.4. Theory of Probabilities, with Applications to Least Squares; Lectures, notes by the professor. One hour.

IX.—PHILOSOPHY.

PROFESSOR STERRETT.

The special studies in this department are pursued in the two upper classes.

161.3. Logic. Jevons-Hill, *Elements of Logic*, is used as a text-book. One hour.

162.3. Psychology. The first term is given to the study of Psychology, the aim being to make this work a preparation for an intelligent study of Ethics and Philosophy. A careful study is made of the phenomena of intellect, feeling, and will as organic processes of the man developing into conscious universal relations.

Dewey and Harris are used as hand-books, with lectures, themes, and constant reference to the leading works on Psychology. Three hours, first term.

163.3. History of Philosophy. The second term is given to (1) the study of one or more of the chief epochs in the history of philosophy; the course of lectures is given with required study of text-books—Schwegler and Weber; (2) the statement and discussion of the fundamental problems of philosophy. Three hours, second term.

164.4. Ethical Theories—historical course. The Senior Class spends the first half of the year in the study of the chief ethical theories. The members of the class are required to study the

text of Aristotle, Kant, Mill, and Spencer, and to hand in well-prepared abstracts of their systems. The class-room work is devoted to a critical exposition of these and other theories by means of lectures and discussions. Three hours, first term.

165.4. Theory of Ethics. A critical and constructive theory of ethics. McKenzie's *Manual of Ethics* and Dewey's *Outlines of Ethics* are put into the hands of the students for use, and Green's *Prolegomena to Ethics* is used as a text-book. Three hours, second term.

A course of lectures is also given on the fundamental postulates, concepts, and principles of Christian Ethics.

This is followed by a six weeks' course on the Philosophy of History.

An opportunity is given the students for *Seminary* work in either Ethics or Philosophy (one hour a week, in the afternoon), and for attendance on the course of papers and discussions before *The Society for Philosophical Inquiry*, meeting at the University every Tuesday afternoon. The program of the Society for the current year is the critical study of Kant's *Critique of The Practical Reason* and *The Critique of the Judgment*.

Courses—Alternate and Elective.

166. Experimental Psychology. Lectures, with study of the method, scope, and most general results of Experimental Psychology. One hour, first term.

167. History of Ancient Philosophy. Lectures, with study of some of the text, and Zeller's *History*. Three hours, second term.

168. History of Modern Philosophy, alternating with (167) Lectures, with study of text of several systems and with reference to Falkenburg and Windelband. Three hours, second term.

169. Pedagogics. Lectures and text-book study of the History and Philosophy of Education. Painter and Rosenkranz. Elective. One hour, second term.

170. The Metaphysics of Ethics. Study of Green's *Prolegomena to Ethics*. One hour, second term.

X.—PHYSICS.

PROFESSOR HODGKINS.

181.1-2. A recitation and lecture course on General Physics, embracing the fundamental principles of Mechanics, Sound, Heat, Light, and Electricity. The lectures are illustrated by experiments, and are based on Gage's Principles of Physics. Three hours.

182.2. An advanced course on General Physics. This is a theoretical and mathematical course, and it requires a thorough acquaintance with the phenomena of Physics. Three hours.

183.3. A course in Laboratory Physics. This course is designed both to familiarize the student with the ordinary methods of exact experimentation and to extend the knowledge of the principles of Physics as gained in course 181. Lectures on physical theories and on laboratory methods are given from time to time. Topics for study and discussion are assigned to the whole class, and to different members of the class are assigned subjects upon which to prepare special reports. Three hours.

184.3-4. A lecture and laboratory course in Magnetism and Electricity. Three hours.

185.3-4. Light. A lecture and laboratory course, based on Preston's Theory of Light. Three hours.

186.3-4. Heat. A lecture and laboratory course, based on Preston's Theory of Heat. Three hours.

XI.—POLITICAL SCIENCE.

PROFESSOR LODGE.

MAJOR J. W. POWELL.

DOCTOR O. T. MASON.

DOCTOR L. F. WARD.

The studies in this department are designed to furnish the learner with an account of the genesis, development, and growth of political institutions. In all the branches pursued, the method

is comparative. Particular pains are taken to send students to the original sources of information as far as possible. To this end the class are constantly called upon to make use of the unequalled facilities of the Capital City for historical research. The archives of the Department of State are utilized to bring the student into direct contact with the original documents of American history.

PROFESSOR LODGE.

201.3-4. The Development of the English Constitution: lectures; collateral reading; studies in Gardiner, Freeman, Stubbs, Guizot, and Boutmy. Two hours, for three months.

202.3-4. The History of French Political Institutions: lectures; studies in Guizot, Taine, and Sir James Stephens. Two hours, for three months.

203.3-4. The Evolution of American Political Ideas: lectures; studies of our history in its sources; collateral reading in the standard American historians and in C. E. Steven's *Sources of the Constitution*. Two hours, for three months.

204.3-4. Political Economy: text book, Hadley; studies in socialism and communism, cooperation, and other current economic problems. Three hours.

205.3-4. The History of Political Economy in Europe: lectures; studies in Blanqui, Ingram and Espinas. One hour, for one term.

206.3-4. The Economic History of the United States: lectures; studies in Wells, Sumner, and Taussig. One hour, for one term.

207.3-4. The Constitutional Law of the United States: text-books, Cooley and Bryce, with frequent studies in Elliot's Debates, the Federalist, Bancroft's Formation of the Constitution, Marshall, Story, Pomeroy, and Von Holst. Two hours.

208.3-4. International Law: text-books, Gallaudet and Lawrence; lectures on the History of the Law of Nations; studies in Maine, Wheaton, and Calvo. One hour.

209.3-4. The Theory of the State, text-books, Histoire de la Science Politique, Janet; History of the Science of Politics,

Pollock; The Theory of the State, Bluntschli, studies in Montesquien, Hobbes, Locke, and Woolsey. Two hours.

210.3-4. History of Civilization, a course of lectures on history, considered in its sources, methods of study, its principles of criticism as differently applied to unwritten and written records, and the successive stages of human progress measured along the lines of useful arts and of social institutions. These lectures begin with anthropological studies in primitive society, and are followed by a rapid survey of the "civilizing stream" in its passage from Egypt through Assyria, Judea, Phœnicia, Persia, Greece, Rome, and Latin Christendom, down to the discovery of America. Two hours.

MAJOR J. W. POWELL.

211.3-4. Culturgeschichte.

DOCTOR O. T. MASON.

212.3-4. Origins of Invention.

DOCTOR L. F. WARD.

213.3-4. Sociology.

XII —ROMANCE LANGUAGES.

PROFESSOR RAMSEY.

French Language and Literature.

221.1. During the first term the class undergoes a thorough drill in pronunciation and becomes familiar with the spoken language. In the study of the grammar especial stress is laid upon acquiring a readiness in applying the principles learned, and to this end a large number of graded exercises are rendered, both orally and in writing, into French. At least twice a month a talk on some simple topic is given in French, and the class is required to render portions of it into English. During the last term the students prepare exercises based upon portions of the texts read in class. Three hours.

Text books: Keetel's Elementary French Grammar; Roulier's First Book of French Composition; Halévy, *L'Abbe Constantine* (Super's edition, with notes and vocabulary); Labiche et Delacour, *Les Petits Oiseaux*.

222.2. The first term is devoted mainly to a review of the grammar, as presented by a more complete text book, with abundant exercises in both oral and written translation. During the remainder of the year the syntax is carefully studied, and a systematic effort is made to increase the student's vocabulary. The results attained are at once put to use in the form of brief compositions. At least two hours per month are devoted to French conversation. Three hours.

Text books: Whitney's Practical French Grammar; Hennequin's Lessons in Idiomatic French; Lacombe, *Petit Histoire du Peuple Français*; Mérimée, *Colombes*; Achard, *Le Clos Pomme*; de Maistre, *Les Prisonniers du Caucase*.

223.3. The work during this year is intended to give the class a familiarity with the principal events of the literary history of France and of the biography of the leading French writers. Doumic's *Histoire de la Littérature Française* is used as a syllabus, which is largely supplemented by lectures and by the individual investigations of the students. Incidentally the class is instructed in the broader principles of rhetoric and style. During the second term the students read and summarize (outside of class hours) some representative works of the Mediæval and Classic periods. Three hours.

Text-books: René Doumic, *Histoire de la Littérature Française*; Corneille, *Le Cid*; Racine, *Athalie*; La Fontaine, *Fables Choisies*; Walter's Classic French Letters.

224.4. The study of the literature is continued in this year largely by the reading of texts, the students writing criticisms in French of the works that pass under their notice. The period since the French Revolution constitutes the special field of study, and the texts read are therefore selected from representative works of the present century. An effort is made to have several lectures upon literary themes delivered in French by persons not connected with the University. Three hours.

Text-books: Pellissier, *Mouvement Littéraire au XIX^{me} siècle*, texts as required.

Spanish Language and Literature.

Requirements for admission: Latin, 121, 122; French, 221, 222.

231-34. The study of the language is taken up at the first elements, especial stress being laid upon the acquisition of a correct pronunciation. The principles of the grammar and syntax are studied and enforced by the translation of exercises into Spanish. The class is familiarized from the outset with the spoken language by means of descriptive talks upon simple topics, and later by its use as the medium of instruction. Three hours.

Text books: Ramsey's Text Book of Modern Spanish. Elementary Spanish Reader, and Spanish Prose Composition.

Italian Language and Literature.

Requirements for admission: Latin, 121, 122, 123, 124; French, 221, 222.

235-34. The instruction is intended to give the students a good pronunciation, the essentials of grammar, a fair amount of vocabulary, and an ability to read easy prose at sight. After the grammatical rudiments have been mastered and impressed by written and oral translation of exercises, the class passes to the reading of connected texts. Three hours.

Text-books: Lemmi's Italian Grammar; de Amicis, *Un anno*; Barrili, *Una Notte. Breve*; Gherardi del Testa, *L'ora e l'espelle*.

DEPARTMENTS IN THE CORCORAN SCIENTIFIC SCHOOL OPEN TO
COLLEGE STUDENTS.

Astronomy (see page 62).

Botany (see page 63).

Geology and Mineralogy (see page 74).

Zoology (see page 90).

ADMISSION.

The College is open to students of both sexes.

The session of 1899-1900 will open September 27, 1899.

Every applicant for admission is required to present a testimonial of good moral character, and also a certificate of stand-

ing and regular dismissal from the school or college which he has attended or from the tutor with whom he has studied.

I.

Admission to Courses Leading to Degrees

Candidates for admission to the Freshman Class are examined in certain required books and subjects. Certificates, in lieu of any or all examinations, will be accepted (1) from schools whose work is attested by well prepared students admitted to the College in previous years, and (2) from schools desiring cooperation with the College, that present evidence of affording adequate preparation in the required books and subjects. The chairman of the Committee on Admission of Students will, on application, furnish certificate blanks to the principals of such accredited schools.

The regular examination for admission to the Freshman Class is held in University Hall, southeast corner of Fifteenth and H streets, N.W., on Monday, Tuesday, and Wednesday, May 29, 30, and 31, 1899. A second examination is held at the beginning of the college year, on Monday, Tuesday, and Wednesday, September 25, 26, and 27, 1899. The following is the schedule for both examinations.

ORDER OF MAY EXAMINATIONS

Monday, May 29, 1899

[Registration of applicants in room 25,	8.30-9.00]
Latin,	9.00-11.00
Plane Geometry, Solid Geometry,	11.00-1.00
Algebra (a); Algebra (b),	2.00-4.00

Tuesday, May 30

Greek; Physics, Chemistry,	9.00-11.00
History,	11.00-1.00
German,	2.00-4.00

Wednesday, May 31

Plane Trigonometry,	9.00-11.00
French,	11.00-1.00
English,	2.00-4.00

ORDER OF SEPTEMBER EXAMINATIONS.

Monday, September 25, 1899.

[Registration of applicants in room 25.	8.30- 9.00]
Latin	9.00-11.00
Plane Geometry; Solid Geometry.	11.00- 1.00
Algebra (<i>a</i>); Algebra (<i>b</i>).	2.00- 4.00

Tuesday, September 26.

Greek; Physics; Chemistry.	9.00-11.00
History.	11.00- 1.00
German.	2.00- 4.00

Wednesday, September 27.

Plane Trigonometry.	11.00- 1.00
French.	1.30- 3.30
English.	3.30- 5.30

The College is prepared to appoint examinations in any city, or at any school where the number of applicants or the distance from Washington may warrant it. Correspondence on this subject should be addressed to the Dean of the College.

Unless admitted by certificate, every undergraduate candidate for a degree is required to pass an examination.

Candidates for admission to the course leading to the degree of Bachelor of Arts are examined in English, Greek, Latin, Greek and Roman History, French or German, Algebra (*a*), and Plane Geometry.

Candidates for admission to the course leading to the degree of Bachelor of Science are examined in English, Algebra (*a*), Algebra (*b*), Plane Geometry, Solid Geometry, Plane Trigonometry, Physics or Chemistry, English and American History (or Greek and Roman), and in two of the following languages: French, German, Latin.

Requirements for admission to the several departments are as follows:

English.

Candidates are expected to be familiar with the elements of Rhetoric, and no candidate will be accepted whose work is ob-

viously defective in spelling, punctuation, idiom, or division into paragraphs.

The examination in English consists of two parts, one to test general reading, the other to show the results of more careful study and practice.

1. *Reading and Practice*.—The candidate will be required to present evidence of a general knowledge of the subject matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is to test the candidate's power of clear and accurate expression. In place of a part or the whole of this test, the candidate may be allowed to present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books.

The books set for this part of the examination are:

In 1899: Dryden's *Palamon and Arcite*; Pope's *Iliad*, Books i, vi, xxii, and xxiv; The Sir Roger de Coverley Papers in the *Spectator*; Goldsmith's *The Vicar of Wakefield*; Coleridge's *The Ancient Mariner*; De Quincey's *The Flight of a Tartar Tribe*; Cooper's *The Last of the Mohicans*; Lowell's *The Vision of Sir Launfal*; Hawthorne's *The House of the Seven Gables*.

In 1900: Dryden's *Palamon and Arcite*; Pope's *Iliad*, Books i, vi, xxii, and xxiv; Sir Roger de Coverley Papers in *The Spectator*; Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe*; De Quincey's *The Flight of a Tartar Tribe*; Cooper's *The Last of the Mohicans*; Tennyson's *The Princess*; Lowell's *The Vision of Sir Launfal*.

In 1901: George Eliot's *Silas Marner*; Pope's Translation of the *Iliad*, Books i, vi, xxii, and xxiv; The Sir Roger de Coverley Papers in the *Spectator*; Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe*; Shakespeare's *The Merchant of Venice*; Cooper's *The Last of the Mohicans*; Tennyson's *The Princess*; Coleridge's *The Rime of the Ancient Mariner*.

In 1902: George Eliot's *Silas Marner*; Pope's Translation of the *Iliad*, Books i, vi, xxii, and xxiv; The Sir Roger de Coverley Papers in the *Spectator*; Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe*; Shakespeare's *The Merchant of Venice*;

Cooper's *The Last of the Mohicans*; Tennyson's *The Princess*; Coleridge's *The Rime of the Ancient Mariner*.

2. *Study and Practice*.—This part of the examination requires a more careful study of each of the works named.

It involves knowledge of the subject-matter, literary form, grammatical and logical structure.

The books set for this part of the examination are:

In 1899: Shakespeare's *Macbeth*; Milton's *Paradise Lost*, Books i and ii; Burke's *Speech on Conciliation with America*; Carlyle's *Essay on Burns*.

In 1900: Shakespeare's *Macbeth*; Milton's *Paradise Lost*, Books i and ii; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Addison and Milton*.

In 1901: Shakespeare's *Macbeth*; Milton's I. *Allegro*, II. *Penseroso*, *Comus*, and *Lycidas*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Addison and Milton*.

In 1902: Shakespeare's *Macbeth*; Milton's I. *Allegro*, II. *Penseroso*, *Comus*, and *Lycidas*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Addison and Milton*.

Greek.

1. Goodwin's or Hadley's *Greek Grammar*.
2. Goodwin's *Greek Reader* or Xenophon's *Anabasis*, Books 1-4.
3. First three books of Homer's *Iliad*.
4. Jones' *Greek Prose Composition*.
5. *Greek History*.—See under Admission in History.

Applicants for admission to the Freshman Class are expected to be thoroughly acquainted with all the principal topics of the *Greek Grammar* of Goodwin or of Allen's *Hadley*, including the Derivation and Composition of Words, Accent, and the elements of Prosody, especially the construction of Dactylic Hexameter.

They will be required to translate into good English two or three passages of the prescribed portions of Homer, and also of Xenophon, and to show a familiarity with the grammatical forms and constructions included, or with others which might be used instead.

They will also be expected to translate at sight selections from one of the other books of the *Iliad* and of the *Anabasis*.

Also to translate English sentences in connected discourse into idiomatic Greek, with the proper accents and with the mention of other construction which might be used.

Latin.

Candidates are expected to have taken a systematic course in Latin, extending at least through three years, five times per week; to have had training in translating English into Latin throughout the entire course, and during the last half, at least, the translation of connected English prose.

It is expected that the following work, bearing slight variations, will have been done:

1. Beginner's Book and 30 to 40 pages of easy Latin.
2. Four books of Caesar, Nepos.
3. Cicero: Catiline Orations, pro Archia, and pro Milone, or its equivalent.
4. First six books of Vergil's *Aeneid*.
5. Roman History. (See under Admission in History.) The examination will be in two parts:

a. Translation of passages selected from the work above outlined and a short passage of prose to be read at sight. The translation must be in idiomatic English. To attain facility in this, frequent written translations during the years of preparation are advised.

b. The examination in Grammar and Composition for 1899 and 1900 will be based on the first three orations of Cicero against Catiline. A thorough test of form and syntax will be given. The composition will be connected English based on this vocabulary, and will contain no construction not found in these orations.

French.

1. A knowledge of the essentials of the grammar.
2. An ability to read at sight ordinarily easy French prose.
3. An ability to translate easy English exercises into French.

The examination is adapted to the proficiency of those who have studied French to the equivalent of a systematic course of three hours a week for eight months. It consists of three parts, covering the ground indicated above. These parts may not be taken separately.

- a. The grammatical knowledge required includes the leading

uses of the articles (including the "partitive construction"), the formation of the plurals of nouns, and of the feminine forms of adjectives; the comparison of adjectives and adverbs, the distinctions between the two sets of objective forms of personal pronouns, location of objective personal pronouns, negative and interrogative sentences, the entire conjugation of *être, avoir*, and the model verbs, and the leading tense forms of the more usual irregular verbs. Rare and unusual words and forms are in all cases excluded.

b. The passages set for translation into English are suited to candidates who have read not less than three hundred duodecimo pages, which must be from the works of at least two authors; this amount includes sight reading done in class. It is important that all translation be done into clear and idiomatic English.

c. The sentences given to be rendered into French are such as would be found in an ordinary text book for beginners.

German.

Candidates are expected to have an accurate knowledge of elementary grammar, including the principal syntactical laws of the language. A careful preparatory study of Ous' German Grammar or Joynes-Meissner or Edgren-Fossler or Calvin Thomas' German Grammar I part will convey sufficient training in the language. The knowledge of the candidate will be tested by a written examination in German composition and the writing of an easy theme in German.

The oral examination will consist in the reading at sight of narrative prose and such poetry as is usually found in a First Reader. About 150 pages of an elementary text book, accurately studied, will be considered a sufficient preparation. Special stress will be laid upon a good German pronunciation.

History.

Candidates for admission to the course leading to the degree of Bachelor of Arts.

Greek History, through the Roman Conquest, as much as is contained in Myers' History of Greece.

Roman History, as much as is contained in Allen's History of the Roman People.

Candidates for admission to the course leading to the degree of Bachelor of Science:

English History, as much as is contained in Montgomery's History of England.

American History, as much as is contained in Alexander Johnston's History of the United States.

Mathematics.

Algebra (a). Factoring, fractions, equations of the first degree, with one or more unknown quantities, solution of problems, inequalities, powers and roots, reduction of radicals, quadratic equations.

Algebra (b). Quadratic equations, ratio and proportion, progressions, permutations and combinations, binomial theorem, undetermined coefficients.

Plane Geometry. Demonstrations, constructions, computation of areas.

Solid Geometry. Demonstrations, computation of surfaces and volumes.

Plane Trigonometry, including the solution of trigonometric equations.

Physics.

Candidates must show an acquaintance with the more important phenomena of physics, and with the principles involved in the explanation of them. They must be able to solve simple numerical problems, and must understand the metric system. Gage's Introduction to Physical Science or Chubbart and Chute's Physics will give suitable preparation, if supplemented by laboratory work. The laboratory note-book must be shown at the time of the examination. One year's study, five periods a week, will probably give the preparation needed, but in any case the entire subject, as treated in a book of the grade indicated above, must be completed.

Chemistry.

Elementary Chemistry. Storer's and Lindsay's Manual of Chemistry will give suitable preparation. This requirement presupposes a systematic course of two hours of class-room exercises and three hours of laboratory work per week for a period of eight months.

II.

Admission to Special Courses.

All the courses of instruction are open to students of suitable age and attainments who wish, without reference to any degree, to pursue special studies. Candidates are examined in each special study by the head of the department. They must be familiar with the subjects preliminary to the studies which they wish to pursue.

Every student pursuing such a course, if under the age of twenty-one years, is required to include in the selections *not less than three distinct departments, with at least twelve recitations or lectures a week*. The choice of studies embraced in a special course must be made immediately upon the commencement of a term, and no student, without permission of the Faculty, may make a new choice of studies during any single term.

No one is admitted as a special student who has within four months of the time of his application been rejected by the Committee on Admissions as a regular student or has within that time become deficient as a regular student.

III.

Admission to Advanced Standing.

Candidates for admission to an advanced class in any department are examined in all indispensable preliminary studies.

Due credit is given for properly certified courses of study pursued elsewhere.

DEGREES.

The degree of Bachelor of Arts or Bachelor of Science is conferred on students who complete the appropriate course of study as outlined below.

Courses of graduate study leading respectively to the degrees of Master of Arts and of Doctor of Philosophy are described under the head of the "School of Graduate Studies" in this Catalogue.

Course of Study Leading to the Degree of Bachelor of Arts.

(The figures refer to the numbers of the courses in the several departments of the College, as previously designated.)

FRESHMAN YEAR.

English, 41, 44.	(French, 221; or
Greek, 81.	(German, 61.
Latin, 121, 122.	(Mathematics, 141, 142, 143.

SOPHOMORE YEAR.

English, 42.	(French, 222; or
(Greek, 82, 83; or	(German, 62.
(Latin, 123, 124.	(Chemistry, 21, 22; or
History, 101, 102.	(Physics, 181.

JUNIOR YEAR.

(Greek, 84; or	Philosophy, 162, 163.
(Latin, 125, 126.	

Elective, 9 hours a week.

SENIOR YEAR.

Political Philosophy, 204. Philosophy, 164, 165.
Elective, 9 hours a week.

Course of Study Leading to the Degree of Bachelor of Science.

FRESHMAN YEAR.

*Two of the following:

English, 41, 44.	French, 221.
Chemistry, 21, 22.	German, 61.
Physics, 181.	Latin, 123, 124.

SOPHOMORE YEAR.

(French, 222; or	History, 101, 102.
(German, 62.	Chemistry, 23.
Mathematics, 144, 145, 146	Physics, 182.

* The two languages presented at entrance will be continued through the Freshman year.

JUNIOR YEAR.

Mathematics, 147, 148.

(Chemistry, 24; or

(Physics, 183.

Elective, 9 hours a week.

SENIOR YEAR.

Elective, 15 hours a week.

EXAMINATIONS.

At the end of each term examinations are held in the studies of that term.

The results of the term examinations are combined with those of the daily recitations of the student during the term in order to ascertain his academic standing at the end of that term. Account is also taken of attendance.

A student who fails to pass a satisfactory examination in any study at the end of a College term must present himself for re-examination in that study, and failing to do so shall forfeit promotion with his class in that department.

All examinations which occur at the end of a College year are conducted in writing. Examinations for degrees are concluded three weeks before the date of the Annual Commencement. In order to graduate, students must obtain at least 75 per cent. in the final examinations on all of the subjects.

Examinations for prizes are concluded three weeks before the end of each scholastic year.

ANNUAL PRIZES.

Besides the honors and degrees conferred in the regular course, prizes are annually offered as rewards for special excellence in particular branches of study.

The Davis Prizes, for excellence in Elocution, founded by the Hon. Isaac Davis, LL. D., of Massachusetts, consist of two gold medals, annually awarded to the two successful competitors in a public contest. These prizes are awarded by a committee selected by the Faculty for this purpose, and are publicly delivered at the Annual Commencement. Senior students desiring to compete for the Davis Prizes should report to the Professor of English

not later than April 1 of each year, and submit their orations not later than May 1.

The Staughton Prize, for excellence in the Latin Language and Literature, and the Elton Prize, for excellence in the Greek Language and Literature, founded by the Rev. Romeo Elton, D. D., of Exeter, England, consist of two gold medals, annually awarded to the best scholar in each of these languages.

The Ruggles Prizes, for excellence in Mathematics, founded by Professor William Ruggles, LL. D., consist of two gold medals, annually awarded to the best two scholars in Pure and Applied Mathematics.

Professor Munroe offers a gold medal to that student from any Washington High School who shall attain the highest mark in Chemistry among those passing the entrance examinations, and shall remain in regular attendance in the College for one year.

The Class of '96 James Macbride Sterrett, Jr., Memorial Medal is annually awarded to that member of the Sophomore Physics Class who obtains the highest average in a special examination on a given subject and in the writing of an essay on an assigned topic. Only candidates for degrees are allowed to compete.

PRIZES IN 1897-'98.

Staughton Prize, Reed Paige Clark.

Elton Prize, Reed Paige Clark, Thatcher Clark.

Ruggles Prize, Christopher George Storm.

Gore Prize in Parliamentary Law, Albert Rett Stuart.

James Macbride Sterrett, Jr., Prize in Physics, Quirrol Harlan.

First Davis Prize in Elocution, Frances Mabel Jacobs.

Second Davis Prize in Elocution, J. Carroll Hoover.

ANNUAL COMMENCEMENT.

The Annual Commencement is held on the Wednesday nearest the first of June.

All the degrees of the College are publicly conferred on Commencement Day.

Prizes for special excellence in any department are publicly delivered on the same day.

PUBLIC WORSHIP.

Brief devotional exercises are held in the Hall of the University on every week day except Saturday, at 9 o'clock a. m. All students are expected to attend these services.

THE LIBRARY.

The Library is open every day from 9 15 a. m. until 10 o'clock p. m.

UNIVERSITY LECTURES.

Students of the College are admitted without further fee to the University Lectures; and, when qualified to profit by them, they may secure admission to other lectures given in the Hall of the University by applying to the Dean.

LITERARY SOCIETY

The Enosinian Society, a literary association formed by the students of the College, meets weekly for the purpose of improvement in Debate and Composition. Prizes are given to the two students showing the greatest proficiency in Debate and in Parliamentary Law.

GENERAL REGULATIONS.

Every student on entering the College is understood by that act to pledge a voluntary acquiescence in the rules and regulations prescribed by the Board of Trustees and by the Faculty acting under the authority of the Board.

A report of the student's standing in all studies will be rendered to parents or guardians at the end of each term.

The schedule of recitations is arranged to meet the requirements of the curriculum, and no choice of studies that involves conflicts in recitation periods will be permitted.

Junior and Senior students who desire to elect work in Astronomy, Botany, Geology and Mineralogy, or Zoölogy may avail themselves of the courses offered by the Corcoran Scientific School in those departments.

Electives in the Junior and Senior years to be credited for a degree must be chosen from Junior or Senior subjects.

No student who is a candidate for a degree may, without special permission of the Faculty, take more than six hours in one scholastic year in any one department.

No student is permitted to take more than eighteen recitation or laboratory periods a week, except by special permission of the Faculty, and no student, without permission of the Faculty, may make a new choice of studies during any single term.

COLLEGE EXPENSES.

1. Admission fee (paid but once, on entrance),	\$10 00
2. Tuition for the year in three or more departments	100 00
3. Tuition for the year in two departments	70 00
4. Tuition for the year in one department	50 00
5. Materials for laboratory courses in Chemistry, each course	10 00
6. Final Diploma Fee	10 00

These charges cover all expenses except those incurred through breakage or damage of apparatus, tools, instruments, furniture, or buildings.

Bills are payable semi-annually, in advance.

SCHOLARSHIPS.

The Kendall Scholarship, founded by the late Hon. Amos Kendall, is annually conferred on the best scholar in the Washington High Schools. This scholarship continues throughout the College course, and students on this foundation pay semi-annually, in advance, a fee of eight dollars, and the admission fee (paid but once, on entrance) of ten dollars.

The University offers six scholarships to be distributed annually among the High Schools of Washington. Candidates for these scholarships will take the May entrance examinations for the College course leading to the degree of A. B., or the degree of B. S., as they shall elect, and on the results of these examinations the scholarships will be assigned. Holders of these scholarships pay semi-annually, in advance, a fee of eight dollars, and the admission fee (paid but once, on entrance) of ten dollars.

The Powell Scholarships were founded by the late Admiral Powell, U. S. Navy. (For conditions under which these scholarships are assigned, see page 93 of this Catalogue.) The number of scholarships awarded each year will be determined by the income from the endowment. Each scholarship will entitle the beneficiary to free tuition for one year. Such special courses of study are offered to each student as will give him the instruction needed to accomplish the purpose for which he is awarded the scholarship.

ROOMS AND BOARD.

Desirable rooms, convenient to the University buildings, are obtainable at prices ranging from \$5 to \$15 per month, and good board is offered at from \$15 to \$20 per month. A list of eligible boarding-houses will, upon request, be furnished by the Registrar of the University.

For further information concerning the Columbian College, application may be made to

A. J. HUNTINGTON, *Dean,*
The Columbian College, Washington, D. C.

STUDENTS.

Candidates for Degrees.

<i>Name.</i>	<i>State.</i>	<i>Address.</i>
Altschu, John Henry	D. C. . .	1334 G Street
Ashford, Horace Frost	D. C.	1763 P Street
Bacon, Rev. Charles Baldwin ...	Mass.	1416 14th Street.
Beard, Edward Abbot	D. C.	1305 N Street.
Beatty, J. William	Mo.	113 G Street.
Berry, George Magruder	Md.	2017 H Street.
Birch, Blanche Louise	D. C.	1231 31st Street.
Brown, Lorenzo Starr, Jr.	Va.	1509 13th St.
Buxton, Bronson C.	Va.	Falls Church, Va.
Chase, George G.	Kan. . .	2017 Mass. Avenue.
Clark, Bertha Winifred	N. Y.	311 C Street.
Coburn, Harry C., Jr.	D. C.	2111 G Street.

Name	State	Address
Cokerille, Paul	D. C.	1340 I Street
Cutter, E. Kendall	D. C.	1522 K Street
Doner, Harry Tenmyson	D. C.	738 11th Street
Draper, Lida	D. C.	923 H Street
Evans, Lola May	D. C.	2227 13th Street
Flint, Weston Brown	D. C.	1213 K Street
Ford, May Elizabeth	D. C.	312 2d Street, S. E.
Franzoni, Cecilia	D. C.	605 I Street
Frisby, Florence E.	D. C.	1607 31st Street
Fuller, Charles Franklin	D. C.	612 I Street, N. E.
Fuller, Hubert Bruce	Conn.	1615 Florida Ave.
Gillis, W. Weir	Wyo.	1454 R T. Avenue
Green, G. Emery	Mass.	1123 17th Street
Hance, Eleanor Wilson	Va.	Cherrydale, Va.
Harlan, Rolva	Md.	1229 10th St., S. E.
Haws, Samuel Nathaniel	Tenn.	314 E Street
Hobgood, Mary Lucretia	La.	1946 2d Street
Hobson, Alphonso A.	Md.	407 T Street
Hoskins, Etta Louise	Mich.	301 C Street, S. E.
Keller, Charles B.	N. Y.	4122 G Street, S. E.
Knight, Evelyn E.	D. C.	1106 Md. Ave. S. W.
Leach, Boynton McConnell	D. C.	1300 I Street
Lee, Helen	Me.	1735 17th Street
Lindsey, Melville Wilmer	Va.	Alexandria, Va.
Lynch, Sara P.	D. C.	Brookland, D. C.
Manning, William Saunders	D. C.	1511 R T. Ave.
Mason, Selma M.	Va.	1827 H Street
Matson, John Warren	Md.	Berwyn, Md.
Maynard, Colton	D. C.	1407 15th Street
McGroarty, Lucina Frances	Ala.	210 5th Street, N. E.
McKelden, Alice Madeleine	D. C.	724 5th Street, N. E.
McWhorter, Robert Ligon, Jr.	Ga.	1334 Yale Street
Moore, Roland Bryant	Conn.	927 N. Y. Ave.
Newlands, Frances Clara	Nev.	Choxy Chase, Md.
Norris, Etheldreda Lord	N. J.	417 Spruce Street
Parkinson, Fisie Elizabeth	Mich.	806 9th Street, N. E.
Parkman, Mrs. Josephine Bettie	Mass.	817 12th Street
Parson, Artley Beeber	D. C.	309 N. J. Ave. S. E.
Peelle, Stanton C.	D. C.	The Concord
Randolph, Frances Howell	D. C.	1501 R Street

Name	State	Address
Ray, Preston Blair	Md.	Forest Glen, Md.
Raybold, George Irving	D. C.	820 N. C. Ave., S. E.
Reinke, Lottie	Texas	610 C Street, N. E.
Robinette, Rosalie A.	Pa.	301 Md. Ave., N. E.
Robinson, Nathaniel E., Jr.	D. C.	Brightwood, D. C.
Sanders, Frances	D. C.	629 S Street.
Shallenberger, Josephine Power	Pa.	906 East Capitol St.
Sherman, John, Jr.	D. C.	Cleveland Pk., D. C.
Shaybaugh, George Eldred	Pa.	1502 R Street.
Smith, Flora Warren	Md.	Kensington, Md.
Smith, Harry Bradley	D. C.	314 A Street, N. E.
Smith, Ina Augusta	Vt.	1401 31st Street.
Smith, Nella Marguerite	Ohio	1255 23d Street.
Somers, Will Royal	Canada	704 3d Street.
Sperry, Paul	D. C.	321 Del. Ave., N. E.
Sterrett, Douglas B.	D. C.	Springland, D. C.
Sterrett, William Dent	D. C.	Springland, D. C.
Stewart, Marshall Bowyer	D. C.	1400 Miss. Avenue.
Stuart, W. G.	D. C.	1244 8th Street.
Taggart, Hugh T., Jr.	D. C.	2249 N Street.
Thönssen, Pearl Edna	D. C.	1523 5th Street.
Turner, M. Elsie	D. C.	414 B Street, N. E.
Underwood, Norman	D. C.	1407 10th Street
Whitney, Carl E.	N. Y.	736 3d Street

Special Students.

Bond, Reford	I. T.	1012 17th Street
Botkin, Alice Sinclair	Mont.	1623 H Street.
Dart, Ruth D.	Conn.	1416 R. I. Avenue.
Farig, George M.	Ind.	208 A Street, S. E.
Finney, May S.	Kan.	33 Florida Avenue.
Gambrell, Pauline Phillips	Texas	The Savoy.
Griffith, G. Berkeley	D. C.	1630 R. I. Avenue.
Harrison, Jeff La Fayette	Texas	13 E Street.
Henderson, F. N.	Md.	Rockville, Md.
Larcombe, Rev. James A.	Md.	Seabrook, Md.
Main, Charles W.	D. C.	1617 17th Street
Monroe, Gustavus Lane, Jr.	Miss.	1115 R. I. Avenue.
Muir, Edna A.	Pa.	512 3d Street.

Name	State	Address
Richards, Mary Bergman	D. C. . . .	101 Mass. Avenue.
Rider, Ellen Thompson	D. C. . . .	1352 B Street, S. W.
Sherman, E. Lillian	D. C. . . .	Cleveland Pk., D. C.
Spear, Edwin E.	D. C. . . .	2650 14th Street.
Swartwout, Harriet Mabel	Ill.	400 Spruce Street.
Sykes, George.	N. Y. . . .	1912 G Street.
Taylor, Lila	D. C. . . .	1411 Hopkins St.
Weaver, George A.	D. C. . . .	208 Md. Ave., N. E.
Wren, Aurora.	Minn. . . .	Brookland, D. C.
Wren, Frances.	Minn. . . .	Brookland, D. C.
Wright, Matilda Douglas.	D. C. . . .	225 13th Street, S. W.
Total.		100

THE CORCORAN SCIENTIFIC SCHOOL.

THE FACULTY.

BENALAH L. WHITMAN, D. D.,
President.

HOWARD L. HODGKINS, PH. D.,
Dean, and Professor of Mathematics.

CHARLES E. MUNROE, PH. D.,
Professor of Chemistry.

Rev. SAMUEL M. SHUTE, D. D.,
Emeritus Professor of English.

JAMES HOWARD GORE, PH. D.,
Professor of Geodesy.

THEODORE N. GILL, PH. D., LL. D.,
Professor of Zoology.

CLEVELAND ABBE, A. M., LL. D.,
Professor of Meteorology.

HERMANN SCHOENFELD, PH. D.,
Professor of German.

HARRY KING, LL. B.,
Professor of Drawing.

GEORGE P. MERRILL, PH. D.,
Professor of Geology and Mineralogy.

ADOLPHUS W. GREELY,
Professor of Geography.

JOSIAH PIERCE, JR., M. A.,
Professor of Applied Geometry.

ANDREW F. CRAVEN, Ph. D.,

Professor of Economics.

LOUIS AMATEIS,

Professor of Fine Arts as Applied to Architecture.

EDWARD FARQUHAR, Ph. D.,

Professor of History.

FRANK A. WOLFE, Ph. D.,

Professor of Physics and Electrical Engineering.

F. LAMSON-SCHIBNER, B. S.,

Professor of Botany.

J. C. HORNBLOWER,

Professor of Architecture.

C. F. MARVIN, M. E.,

Associate Professor of Meteorology.

HENRY SIMPSON,

Associate Professor of Architecture.

EDWARD B. POLLARD, Ph. D.,

Professor of Biblical Literature.

FELIX FREYHOLD, C. E.,

Professor of Civil Engineering and Applied Mathematics.

MARATHON M. RAMSEY, A. M.,

Professor of Romance Languages.

WILLIAM ALLEN WILBUR, A. M.,

Professor of English, and Secretary of the Faculty.

AINSWORTH R. SPOFFORD, LL. D.,

Professor of Library Science.

ALBERT M. HILLIKER, B. D.,

Professor of Philosophy.

HERBERT L. RICE, M. S.,

Professor of Astronomy.

THE COLUMBIAN UNIVERSITY.

CHARLES W. DOWNING, A. M.,
Professor of Latin.

GUSTAV AYRES, M. E.,
Acting Professor of Mechanical Engineering.

WILBUR F. DALES, Ph. D.,
Assistant Professor of Latin and Greek.

W. EDWIN PRIEST,
Assistant Professor of History.

PETER FIREMAN, Ph. D.,
Assistant Professor of Organic Chemistry.

THOMAS J. D. FULLER, B. S.,
Assistant Professor of Architecture.

HENDERSON PRESSELL,
Assistant Professor of Library Science.

WILLIAM P. CUTTER, B. S.,
Assistant Professor of Library Science.

DOMINGO A. USINA, C. E.,
Assistant Professor of Applied Mathematics.

HENRY A. PRESSEY, B. S.,
Assistant Professor of Civil Engineering.

INSTRUCTORS AND ASSISTANTS.

EMIL H. MEYER,
Instructor in Fine Arts.

T. W. STANTON, Ph. D.,
Instructor in Paleontology and Stratigraphical Geology.

CLEVELAND ABBE, Jr., Ph. D.,
Instructor in Physiography.

HARRY T. NEWCOMB, LL. M.,
Instructor in Statistics.

ERNEST L. THURSTON, C. E.,
Instructor in Mechanical Drawing.

EDWARD A. MUIR, B. S.,
Instructor in Machine Drawing.

H. GRANT HODGKINS, A. B.,
Instructor in Mathematics.

CHARLES E. McNABB, LL. M.,
Instructor in Business Law.

RAYMOND SAYER,
Instructor of the Perspective Class.

MINOTT E. PORTER, B. S.,
Assistant in Geography.

A. KLAKRING,
Assistant in Topographic Drawing.

THOMAS A. WILLIAMS, M. A.,
Assistant in Botany.

FRED F. REISNER, E. E.,
Assistant in the Physical Laboratory.

JULES MAILLET,
Assistant in French.

Z. V. SPINOZA,*
Assistant in Spanish.

REED P. CLARK, A. B.,
Assistant in French.

CHARLES S. HYDE, A. M.,
Assistant in German.

WINTER F. BOWEN,
Assistant in Assaying.

FREDERICK C. JONES, B. S.,
Assistant in Chemistry.

CHRISTIAN G. STORM, B. S.,
Assistant in Chemistry.

* Absent on leave.

LECTURERS.

OTIS T. MASON, PH. D., LL. D.,

Lecturer on Anthropology.

THOMAS M. CHATARD, PH. D.,

Lecturer on Chemical Engineering.

GLENN BROWN,

Lecturer on Sanitary Engineering.

CARROLL D. WRIGHT, LL. D.,

Lecturer on Social Statistics.

LESTER F. WARD, A. M., LL. D.,

Lecturer on Sociology.

CABELL WHITEHEAD, PH. D.,

Lecturer on Metallurgy.

STANDING COMMITTEES OF THE FACULTY.

Committee on Advanced Standing.

The DEAN, the SECRETARY, and Professor MERRILL.

Committee on Library.

Professors FARQUHAR, CUTTER, and PRESSELL.

Committee on Examination Schedule.

Professors RAMSEY, WILBUR, and FREYHOLD.

The School of Science is called the Corcoran Scientific School in grateful recollection of the many benefactions of W. W. Corcoran to the University.

The exercises of the School begin Wednesday, September 27, 1899, and are held in University Hall (southeast corner of Fifteenth and H Streets, N. W.), which is constructed with special reference to the wants of the School.

Properly qualified persons of either sex are admitted as students in the full courses of study leading to the degree of

Bachelor of Science, as described below, or they may take special courses in any of the departments.

Candidates for admission to the Freshman Class should be prepared in English Grammar, Rhetoric, French Grammar, American History, Algebra through Quadratic Equations, Plane Geometry, Elementary Chemistry, Elementary Physics, and the elements of Free-hand and Mechanical Drawing.

The following courses of study leading to the degree of Bachelor of Science are arranged to be completed in four years, but students otherwise engaged are granted a longer period in which to fulfill the requirements.

COURSES OF STUDY LEADING TO THE DEGREE OF BACHELOR OF SCIENCE.

Freshman Year.

(Common to all Courses.)

- | | |
|------------------------|---------------------------|
| (3) Chemistry, 1. | (1) Fine Arts, 1. |
| General Chemistry. | Free-hand Drawing. |
| (2) Drawing, 1. | (2) Romance Languages, 1. |
| Mechanical and Geomet- | French. |
| rical Drawing. | (5) Mathematics, 1, 2. |
| (3) English, 1, 4. | Algebra; Geometry. |
| Rhetoric; English Lit- | |
| erature. | |

COURSE I—GENERAL.

Sophomore Year.

- | | |
|-------------------------------|-------------------------|
| 2) German, 1. | (1) Mineralogy, 1. |
| 3) Mathematics, 3, 4. | Descriptive Mineralogy. |
| Trigonometry; Analytic | (3) Physics, 1. |
| Geometry. | General Physics. |
| Elective, eight hours a week. | |

*Students in Course XI will take Course 2 in Fine Arts (Architectural Drawing) in addition to the above.

†The numbers in parentheses give the number of hours or periods per week. The numbers following the subjects refer to the section topics in the various Departments of the Corcoran Scientific School.

Junior Year.

- (2) Geology, 1. (2) German, 2.

Systematic Geology.

Elective, thirteen hours a week.

Senior Year.

- (2) Astronomy, 1. (2) Philosophy, 1.

General Astronomy. Logic.

Elective, thirteen hours a week.

COURSE II—IN CIVIL ENGINEERING.

Sophomore Year.

- (4) Applied Mathematics, 1. (2) German, 1.
 Descriptive Geometry (3) Mathematics, 3, 4.
 and Constructive Exercises. Trigonometry; Analytic
 Geometry.
 (6) Engineering, 1, 6. (1) Mineralogy, 1.
 Surveying and Construction. Descriptive Mineralogy.
 (3) Physics, 1.
 (1) Fine Arts, 2. General Physics.
 Architectural Drawing.

Junior Year.

- (6) Applied Mathematics, 3, 6. (2) German, 2.
 Mechanics; Graphical (6) Engineering, 3, 5.
 Statics and Constructive Exercises. Field-work; Water Supply, etc.
 (2) Geology, 1. (2) Mathematics, 5.
 Systematic Geology. Calculus.

Senior Year.

- (3) Applied Mathematics, 4, 5. (1) Geodesy (1 term).
 Hydraulics; Strength of (1) Mathematics, 7.
 Materials. Least Squares.
 (2) Astronomy, 1. (2) Philosophy, 1.
 General Astronomy. Logic.
 (1) Chemistry, 14.
 Metallurgy of Iron.
 (8) Engineering, 4, 7, 8.
 Structures; Materials of
 Engineering; Constructive Exercises.

COURSE III—IN ELECTRICAL ENGINEERING.

Sophomore Year.

- | | |
|---|--|
| (2) Applied Mathematics, 1.
Descriptive Geometry. | (5) Mechanical Engineering,
2, 5. |
| (2) German, 1. | Machine Drawing, Ele-
mentary Kinematics. |
| (3) Mathematics, 3, 4.
Trigonometry; Analytic
Geometry. | (7) Mineralogy, 1.
Descriptive Mineralogy. |
| | (6) Physics, 1, 9.
General Physics; Phys-
ical Laboratory. |

Junior Year.

- | | |
|--|--|
| (2) Applied Mathematics, 3.
Analytical Mechanics. | (4) Mechanical Engineering, 4.
Advanced Drawing. |
| (2) Geology, 1.
Systematic Geology. | (9) Physics, 2, 3, 10, 14.
Electricity; Laboratory. |
| (2) German, 2. | |
| (2) Mathematics, 5.
Calculus. | |

Senior Year.

- | | |
|---|---|
| (3) Applied Mathematics, 4, 5.
Hydraulics, Strength of
Materials. | (2) Philosophy, 1.
Logic. |
| (2) Astronomy, 1.
General Astronomy. | (11) Physics, 4, 5, 6, 12, 14.
Theory and Application of
Electricity; Advanced
Laboratory; Inspection. |
| (1) Chemistry, 14.
Metallurgy of Iron. | |
| (2) Mechanical Engineering, 10.
Prime Movers. | |

COURSE IV—IN MECHANICAL ENGINEERING.

Sophomore Year.

- | | |
|--|--|
| (2) Applied Mathematics, 1.
Descriptive Geometry. | (5) Mechanical Engineering,
2, 5. |
| (1) Chemistry, 3.
Laboratory (first term). | Machine Drawing, Ele-
mentary Kinematics. |

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|------------------------|---------------------------|
| (2) German, 1. | (1) Mineralogy, 1. |
| (3) Mathematics, 3, 4. | Descriptive. |
| Trigonometry; Analytic | (3) Physics, 1. |
| Geometry. | General Physics. |
| | (1) Physics, 9. |
| | Laboratory (second term). |

Junior Year.

- | | |
|--------------------------------|--------------------------------|
| (3) Applied Mathematics, 3, 6. | (8) Mechanical Engineering, 3. |
| Analytical Mechanics; | 6, 7. |
| Graphical Statics. | Machine Drawing; Ther- |
| (2) Geology, 1. | modynamics; Graph- |
| Systematic Geology. | ical Dynamics. |
| (2) German, 2. | (6) Physics, 2, 3, 11. |
| (2) Mathematics, 5. | Electricity; Laboratory. |
| Calculus. | |

Senior Year.

- | | |
|--------------------------------|---------------------------------|
| (3) Applied Mathematics, 4, 5. | (13) Mechanical Engineering, 8. |
| Hydraulics; Strength of | 9, 10, 11, 12. |
| Materials. | Kinematics; Machine De- |
| (2) Astronomy, 1. | sign; Prime movers; |
| General Astronomy. | Laboratory; Inspect- |
| (1) Chemistry, 14. | tion. |
| Metallurgy of Iron. | (2) Philosophy, 1. |
| | Logic. |

COURSE V—IN CHEMISTRY (A).

Sophomore Year.

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|-----------------------------|--------------------------------|
| (2) Applied Mathematics, 2. | (1) Mechanical Engineering, 1. |
| Descriptive Geometry. | Machine Drawing. |
| (5) Chemistry, 2. | (1) Mineralogy, 1. |
| Laboratory: General | Descriptive Mineralogy. |
| Principles. | (3) Physics, 1. |
| (2) German, 1. | General Physics. |
| (3) Mathematics, 3, 4. | |
| Trigonometry; Analytic | |
| Geometry. | |

Junior Year.

- | | |
|-----------------------|---------------------|
| (15) Chemistry, 4. | (2) Geology, 1. |
| Qualitative Analysis. | Systematic Geology. |
| | (2) German, 2. |

Senior Year.

- | | |
|------------------------------|--------------------|
| (16) Chemistry, 5, 7, 9, 14. | (2) Astronomy, 1. |
| Quantitative Analysis; | General Astronomy. |
| Assaying; Organic | (2) Philosophy, 1. |
| Chemistry, Metallurgy | Logic. |
| of Steel. | |

COURSE VI—IN CHEMISTRY (B).

Sophomore Year.

- | | |
|-----------------------------|-------------------------|
| (2) Applied Mathematics, 2. | (3) Mathematics, 3, 4. |
| Descriptive Geometry. | Trigonometry; Analytic |
| (5) Chemistry, 2. | Geometry. |
| Laboratory; General | (1) Mineralogy, 1. |
| Principles. | Descriptive Mineralogy. |
| (2) German, 1. | (3) Physics, 1. |
| | General Physics. |

Junior Year.

- | | |
|-----------------------|---------------------|
| (12) Chemistry, 4. | (2) Geology, 1. |
| Qualitative Analysis. | Systematic Geology. |
| (2) Mathematics, 5. | (2) German, 2. |
| Calculus. | (3) Physics, 2, 3. |
| | Electricity. |

Senior Year.

- | | |
|---------------------------|-------------------------|
| (2) Astronomy, 1. | (2) Mathematics, 6, 7. |
| General Astronomy. | Differentials and Least |
| (13) Chemistry, 5, 9, 14. | Squares. |
| Quantitative Analysis; | (2) Philosophy, 1. |
| Organic Chemistry; | Logic. |
| Metallurgy of Steel. | |

COURSE VII—IN MATHEMATICS.

Sophomore Year.

- | | |
|--|---|
| (4) Applied Mathematics, 1.
Descriptive Geometry. | (2) German, 1.
(3) Mathematics, 3, 4.
Trigonometry; Analytic
Geometry. |
| (2) Civil Engineering, 1.
Surveying. | (1) Mineralogy, 1.
Descriptive Mineralogy. |
| (2) Drawing, 2.
Topographical Drawing. | (3) Physics, 1.
General Physics. |
| (2) Romance Languages, 2.
French. | |

Junior Year.

- | | |
|--|---|
| (2) Applied Mathematics, 3.
Analytical Mechanics. | (2) History, 1.
American. |
| (2) Romance Languages, 3.
French. | (4) Mathematics, 5, 8, 9, 10.
Calculus; Determinants;
Quaternions; Analytic
Geometry of Three Di-
mensions. |
| (2) Geology, 1.
Systematic Geology. | (3) Physics, 2, 3.
Electricity. |
| (2) German, 2. | |

Senior Year.

- | | |
|--|---|
| (3) Applied Mathematics, 4, 5. | (2) Philosophy, 1.
Logic. |
| (4) Astronomy, 1, 2.
General and Mathemat-
ical Astronomy. | (3) Physics, 4, 7.
Mathematical Theory of
Electricity; Mathemat-
ical Physics. |
| (4) Geodesy, 1. | |
| (2) German, 3. | |
| (4) Mathematics, 6, 7, 11, 12.
Differential Equations;
Least Squares; Theory
of Equations; History
of Mathematics. | |

COURSE VIII—IN METEOROLOGY.

Sophomore Year.

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|--|---------------------------------------|
| (2) Applied Mathematics, 2.
Descriptive Geometry. | (2) Meteorology, 1.
Observational. |
|--|---------------------------------------|

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|---|---|
| (5) Chemistry, 2 or 3.
Laboratory. | (1) Mineralogy, 1.
Descriptive Mineralogy. |
| (2) German, 1. | (3) Physics, 1.
General Physics. |
| (3) Mathematics, 3, 4.
Trigonometry, Analytic
Geometry. | |

Junior Year.

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|--|-------------------------------------|
| (2) Applied Mathematics, 3.
Analytical Mechanics. | (2) German, 2. |
| (2) Botany, 1.
Structural and System-
atic. | (2) Mathematics, 5.
Calculus. |
| (2) Geology, 1.
Systematic Geology. | (2) Meteorology, 2.
Climatology. |
| | (3) Physics, 9.
Laboratory. |

Senior Year.

- | | |
|--|---|
| (2) Applied Mathematics, 4.
Hydraulics. | (2) Mathematics, 6, 7.
Differential Equations,
Least Squares. |
| (2) Astronomy, 1.
General and Spherical
Astronomy. | (2) Meteorology, 3.
Special Topics. |
| (1) Geodesy.
Projections. | (2) Philosophy, 1.
Logic. |
| | (6) Physics, 11.
Laboratory. |

COURSE IX—IN GEOGRAPHY.

Sophomore Year.

- | | |
|--|---|
| (2) Applied Mathematics, 1.
Descriptive Geometry. | (2) Geography, 1.
Physical. |
| (5) Chemistry, 2 or 3.
Laboratory. | (3) Mathematics, 3, 4.
Trigonometry, Analytic
Geometry. |
| (2) Drawing, 2.
Topographic. | (1) Mineralogy, 1.
Descriptive Mineralogy. |
| (2) German, 1. | (3) Physics, 1.
General Physics. |

Junior Year.

- | | |
|---|------------------------------------|
| (2) Botany, 1.
Structural and System-
atic. | (2) Geography, 2.
Economic. |
| (5) Engineering, 1, 2.
Surveying. | (2) German, 2. |
| (2) Geology, 1.
Systematic Geology. | (2) Mathematics, 5.
Calculus. |
| | (3) Physics, 2, 6.
Electricity. |

Senior Year.

- | | |
|--|--|
| (2) Applied Mathematics, 4.
Hydraulics. | (1) Geodesy. |
| (2) Astronomy, 1.
General Astronomy. | (2) Mathematics, 6, 7.
Differential Equations and
Least Squares. |
| (2) Philosophy, 1.
Logic. | (2) Meteorology, 2.
Climatology. |
- Elective, six hours per week.

COURSE X—IN GEOLOGY AND MINERALOGY.

Sophomore Year.

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|--|---|
| (2) Botany, 1.
Structural and Systematic. | (3) Mathematics, 3, 4.
Trigonometry; Analytic
Geometry. |
| (2) Civil Engineering, 1.
Surveying. | (3) Mineralogy, 1, 2.
Descriptive and Deter-
minative. |
| (2) German. | (3) Physics, 1.
General Physics. |

Junior Year.

- | | |
|---|---|
| (12) Chemistry, 4.
Qualitative Analysis. | (2) German. |
| (2) Geology, 1.
Systematic Geology. | (2) Mineralogy.
Determinative and Crys-
tallographic. |
| | (2) Zoology, 1, 2. |

Senior Year.

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|---|------------------------------|
| (2) Astronomy, 1.
General Astronomy. | (2) Philosophy, 1.
Logic. |
|---|------------------------------|

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|-----------------------|-------------------------------|
| (2) Drawing, 2. | (2) Paleobotany. |
| Topographical Drawing | (2) Paleozoology |
| (2) Economics, 6. | (2) Special Lectures on Rock- |
| Political Economy. | weathering and Sedimen- |
| (2) Geology, 2. | tation, Field Methods, etc. |
| Applied Geology. | |
| (4) Meteorology, 2. | |
| General Climatology. | |

COURSE XI—IN ARCHITECTURE.

Sophomore Year.

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|---------------------------------|-------------------------|
| 4 Applied Mathematics, 1. | (2) German, 1. |
| Descriptive Geometry. | (3) Mathematics, 3, 4. |
| (14) Architecture, 1, 4, 5, 10. | Trigonometry: Analytic |
| History of Architecture: | Geometry. |
| Architectural Drawing | (1) Mineralogy, 1. |
| and Design, Building | Descriptive Mineralogy. |
| Construction. | (3) Physics, 1. |
| (6) Fine Arts, 3. | General Physics. |
| Drawing, etc. | |

Junior Year.

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|----------------------------------|---------------------|
| 4 Applied Mathematics, 3, 6. | (6) Fine Arts, 4. |
| Mechanics: Graphic Statis- | Drawing, etc. |
| tics (one term). | (2) Geology, 1. |
| (16) Architecture, 2, 6, 11, 12. | Systematic Geology. |
| History of Architecture: | (2) German, 2. |
| Architectural Design; | (2) Mathematics, 5. |
| Building Materials; | Calculus. |
| Specifications. | |

Senior Year.

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|------------------------------------|--------------------|
| (2) Applied Mathematics, 5. | (2) Economics, 1. |
| Strength of Materials. | Business Law. |
| (15) Architecture, 3, 7, 8, 9, 13. | (6) Fine Arts, 5. |
| History of Architecture: | Drawing, etc. |
| Architectural Design: | (2) Philosophy, 1. |
| Building Materials: | Logic. |
| Sanitary Science: | |
| Thesis. | |
| (2) Astronomy, 1. | |
| General Astronomy. | |

THE COLUMBIAN UNIVERSITY.

COURSE XII—IN ECONOMICS.

Sophomore Year.

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|------------------------|---------------------------|
| (2) Economics, 1. | (1) Mineralogy, 1. |
| Business Law. | Descriptive Mineralogy. |
| (2) Geography, 1. | (3) Physics, 1. |
| Physical. | General Physics. |
| (2) German, 1. | (2) Romance Languages, 2. |
| (2) History, 1. | French. |
| American. | |
| (3) Mathematics, 3, 4. | |
| Trigonometry; Analytic | |
| Geometry. | |

Junior Year.

- | | |
|-------------------------|--------------------|
| (6) Economics, 2, 3, 5. | (2) German, 2. |
| Finance; Politics and | (2) History, 2. |
| Administration; Eco- | Ancient History. |
| nomic Development. | (2) Philosophy, 2. |
| (2) Geography, 2. | Psychology. |
| Economic. | (2) Zoology, 1, 2. |
| (2) Geology, 1. | |
| Systematic Geology. | |

Senior Year.

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|-----------------------------|--------------------|
| (2) Astronomy, 1. | (2) German, 4. |
| General Astronomy. | (4) History, 3, 5. |
| (2) Botany, 1. | Medieval; English. |
| Structural and System- | (2) Philosophy, 1. |
| atic. | Logic. |
| (6) Economics, 4, 6, 7. | |
| Statistics; Political Econ- | |
| omy; Sociology. | |

COURSE XIII—IN LANGUAGE AND LITERATURE.

Sophomore Year.

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|----------------------------|-------------------------|
| (2) English, 2. | (1) Mineralogy, 1. |
| English Prose. | Descriptive Mineralogy. |
| (2) German, 1. | (3) Physics, 1. |
| (2) Greek, 3; or Latin, 4. | General Physics. |

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|------------------------|------------------------------|
| (3) Mathematics, 3, 4. | (4) Romance Languages, 2, 7. |
| Trigonometry: Analytic | French; Spanish. |
| Geometry. | |

Junior Year.

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|---|----------------------------------|
| (3) English, 5, 6, and 3 or 9. | (2) Greek, 4; or Latin, 5. |
| Spenser and Milton: | (2) History, 1. |
| American Literature: | American |
| and English Composition or Old English. | (6) Romance Languages, 3, 8, 10. |
| (2) Geology, 1. | French; Spanish; Italian. |
| Systematic Geology. | |
| (2) German, 2. | |

Senior Year.

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|--------------------|---|
| (2) Astronomy, 1. | (2) Greek, 5; or Romance Languages, 11. |
| General Astronomy. | |
| (2) English, 7, 8. | (2) Latin, 6; or Geography, 1. |
| Shakespeare. | (2) Philosophy, 1. |
| (2) German, 3. | Logic. |
| (4) History, 2, 3. | (2) Romance Languages, 4. |
| Ancient: Medieval. | French. |

COURSE XIV—IN LIBRARY SCIENCE.

Sophomore Year.

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|-------------------------------------|------------------------|
| (3) English, 2, 3. | (3) Mathematics, 3, 4. |
| English Prose. English | Trigonometry: Analytic |
| Composition. | Geometry. |
| (2) French, 2. | (1) Mineralogy, 1. |
| (2) German, 1. | Descriptive. |
| (7) Library Science, 1, 2, 3, 4, 5. | (3) Physics, 1. |
| Cataloguing: Accession; | General Physics. |
| Classification: Admin- | |
| istration. | |

Junior Year.

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|----------------------|----------------------------------|
| (2) English, 5, 6. | (5) Library Science, 6, 7, 8, 9. |
| Spenser and Milton: | Administration; Ad- |
| American Literature. | vanced Cataloguing. |
| (2) French, 3. | (2) Romance Languages, 7. |
| (2) German, 2. | Spanish. |
| (2) Geology, 1. | (2) Zoölogy, 1; or History. |
| Systematic Geology | |

Senior Year.

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|--|---------------------------------------|
| (2) Astronomy, 1.
General Astronomy. | (2) Philosophy, 1.
Logic. |
| (2) Botany, 1; or History. | (2) Romance Languages, 10
Italian. |
| (5) Chemistry, 2 or 3; or Physics, 9.
Laboratory. | |
| (6) Library Science, 10, 11, 12,
13, 14.
Bibliography; History
of Libraries; Reference
Work; Thesis. | |

COURSE XV—IN PHYSICS AND MATHEMATICS.

Sophomore Year.

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|---|---|
| (3) Applied Mathematics, 1.
Descriptive Geometry. | (3) Mineralogy, 1.
Descriptive Mineralogy. |
| (3) Chemistry, 3 (first term).
Qualitative Analysis. | (3) Physics, 1.
General Physics. |
| (2) German, 1. | (3) Physics, 9 (second term).
Laboratory Work. |
| (3) Mathematics, 3, 4.
Trigonometry; Analytic
Geometry. | (2) Romance Languages, 2.
French. |

Junior Year.

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|--|--|
| (2) Applied Mathematics, 3.
Mechanics. | (9) Physics, 2, 7, 11.
Mathematical Theory of
Electricity; Mathematical
Physics; Advanced
Laboratory Work. |
| (2) Geology, 1.
Systematic Geology. | |
| (2) German, 2. | |
| (4) Mathematics, 5, 8, 9, 10.
Calculus; Determinants;
Quaternions; Analytic
Geometry of Three Dimensions. | |

Senior Year.

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|---|---|
| (2) Astronomy, 1.
General Astronomy. | (11) Physics, 4, 7, 8, 13.
Advanced Mathematical
Theory of Electricity;
Mathematical Physics;
Physical Chemistry;
Advanced Laboratory
Work. |
| (2) German, 3. | |
| (3) Mathematics, 6, 7.
Differential Equations;
Least Squares. | |
| (2) Philosophy, 1.
Logic. | |

PROVISIONAL SCHEDULE OF

HOURS P. M.	MONDAY	TUESDAY	WEDNESDAY
	Politics, 4 15 & 18 Ancient History, 4 15 & 18 Modern History, 4 15 & 18	Statistics, 4 15 & 18	Sociology, 4 15 & 18
	Analytic Geometry. Geology. Kinematics. Masonry. Rhetoric.	American History. Architectural Draw- ing. Botany III. Chemical Labora- tory. Electrical Labora- tory.	Biblical Literature. Descriptive Geom- etry. Elementary Elec- tricity. English Literature. German III.
6 to 7	Technical Elec- tricity. Trigonometry.	Elementary Elec- tricity. English Composition. French II. French V. Least Squares. Logic. Organic Chemistry. Physical Laboratory. Zoology.	Prime Movers. Spanish I. Water Supply.
	American Litera- ture. Building Construc- tion. Business Law. Calculus. Chemistry. Greek I.	Architectural Draw- ing. Astronomy. Botany I. Chemical Laboratory. Differential Equa- tions. Economic Develop- ment.	Chemistry. German II. Latin III. New Testament Greek. Physics. Shakespeare.
7 to 9	Kinematics. Library Science XII. Mineralogy. Psychology. Spanish III. Technical Elec- tricity.	Electrical Labora- tory. English Prose. French I. French VI. Library Science III. Physical Laboratory. Surveying.	Spanish III. Strength of Mate- rials.

RECITATIONS AND LECTURES, 1899-1900.

THURSDAY	FRIDAY	SATURDAY
Politics 418 & 48.	Statistics 411 & 48.	Sociology 411 & 48.
Medieval History 411 & 48.	Ancient History 411 & 48.	
	Medieval History 411 & 48.	
American History	Analytic Geometry	Electrical Laboratory
Analytic Geography	Geology	Geography
Chemistry.	German III	Latin V
Elementary Electricity	Prime Movers	Machine Drawing
Hebrew	Rhetoric.	Mechanical Drawing
Logic	Trigonometry	Meteorology
Trigonometry		Organic Chemistry.
Zoology		Thermodynamics
		Topographical Drawing
Astronomy	Economic Development	Electrical Laboratory
Biblical Literature	Geometry	Freehand Drawing.
Botany I	Geometry (Plane)	Laboratory Science I
Business Law	German II	Laboratory Science IX
Calculus	Hebrew	Machine Drawing
Laboratory Science XI	Laboratory Science I	Physical Laboratory.
Mechanical Drawing	Mineralogy	Thermodynamics
Physics	Psychology	
Topographical Drawing	Shakespeare	
	Spanish II	
	Strength of Materials	

PROVISIONAL SCHEDULE OF

HOURS. P. M.	MONDAY	TUESDAY	WEDNESDAY
8 to 9	Algebra.	Architectural Drawing	Advanced Electricity
	Algebra (Preparatory)	Building Construction	French III
	Greek V.	Chemical Laboratory.	German I
	Library Science II.	Electrical Laboratory.	Latin I
	Library Science XII	Geometry.	Mechanics
	Mechanics	Geometry (Plane)	
	Metallurgy.	Hydrographic Engineering	
	Old English.	Library Science IV	
	Physica.	Machine Design	
	Spanish II.	Physical Laboratory	
9 to 10		Political Economy	
	Advanced Electricity	Algebra	Building Construction
	Descriptive Geometry.	Algebra (Preparatory)	Greek I
	French VI.	Chemical Laboratory.	Hydrodynamics
	Geometry (Plane).	Electrical Laboratory	
	Latin II.	Finance	
	Library Science X.	Machine Design	
	Thermodynamics	Physical Laboratory	
		Railroad Engineering	

The Laboratories and Drawing-rooms are open every evening.
 Chemistry 2 and 3 (laboratory courses), Tuesday from 5 to 10 P. M.
 The full course in Assaying occupies three evenings a week for three months.

RECITATIONS AND LECTURES, 1899-1900.

THURSDAY	FRIDAY	SATURDAY
Advanced Electricity	Algebra.	Electrical Laboratory
Building Construction	Algebra Preparatory.	Library Science I
Botany III	American Literature	Library Science IX
Differential Equations	Ethics	Machine Drawing
French I	German I.	Physical Laboratory.
Geography	Graphic Statics.	
Hydrographic Engineering	Graphic Dynamics	
Greek II	Machine Design	
Library Science III	New Testament Greek	
Library Science VII	Political Economy	
Library Science VIII.	Spanish I.	
Kinematics		
Machine Drawing		
Surveying.		
French II	Building Construction	Electrical Laboratory
French V.	English Prose	Machine Drawing.
Latin V	French III.	Physical Laboratory
Least Squares	Finance	
Library Science XIII.	Graphic Statics	
Machine Drawing.	Graphic Dynamics	
Railroad Engineering	Latin I	
Kinematics.	Machine Design	

DEPARTMENTS OF INSTRUCTION.

ANTHROPOLOGY.

DR. MASON, Lecturer.

APPLIED GEOMETRY.

PROFESSOR PIERCE, Head of Department.

Courses of lectures supplementing the regular courses in Drawing and Engineering will be given in this department.

During the session of 1897-'98 the following lectures were given:

Lecture I.—The Value of Maps.

Foreign and American Surveys, their object and utility.

Lecture II.—The Geometry of Maps.

Elementary principles of projection and perspective applied in the construction and use of maps.

Lecture III.—Scales of Publication.

Limitations and uses of maps on different scales. Symbolic representation of details.

Lecture IV.—The Representation of Relief on Maps.

Topographical maps and models.

Lecture V.—The Use of Contours.

Geometry of contoured maps and bird's-eye views.

These lectures were designed to illustrate the importance of a general knowledge of the uses and limitations of maps to military and civil engineers, especially as preparatory to the study of methods of surveying. A loan collection of foreign and American maps was on exhibition during the course of the lectures.

APPLIED MATHEMATICS.

PROFESSOR FREYHOLD, Head of Department.

ASSISTANT PROFESSOR USINA.

1. Descriptive Geometry, two hours; and Constructive Exercises, two hours.*

* Unless otherwise stated, hours per week throughout the year.

2. Stereotomy, one hour, and Exercises. References: Warren, Adhémar.
3. Analytical and Applied Mechanics, two hours.
4. Hydrodynamics, Hydraulics, and Pneumatics, one hour.
5. Strength of Materials and Theory of Elasticity, two hours.
6. Graphical Statics, two hours; and Designing Exercises, two hours.

ARCHITECTURE.

PROFESSOR HORNBLOWER, Head of Department.

ASSOCIATE PROFESSOR SIMPSON.

ASSISTANT PROFESSOR FULLER.

MR. BROWN, Lecturer on Sanitary Engineering.

1. History of Architecture. Egyptian, Assyrian, and Grecian. One hour.
2. History of Architecture. Grecian and Roman. One hour.
3. History of Architecture. Romanesque, Renaissance, and Gothic. One hour.
4. Architectural Drawing. A review of the orders, with details to a large scale; measured drawings of existing buildings; copies and enlargements of plans and working drawings. First term, Sophomore year.
5. Architectural Design. Elementary composition; eight problems or the equivalent. Second term, Sophomore year.
6. Architectural Design. Seven problems or the equivalent. Junior year.
7. Architectural Design. Six problems or the equivalent. First term, Senior year.
8. Thesis. An original design; a discussion of an architectural problem.
9. Sanitary Science. One hour, one term.
10. Building Construction. One hour, Sophomore year.
11. Building Materials and Construction. Two hours, Junior year.

12. Specifications. One hour, second term, Junior year.
13. Building Materials and Construction. Two hours, first term, Senior year.
14. Inspection of buildings erected or in course of erection.

The assigned problems in courses 4 to 8 will require not less than twelve hours' work a week from each student.

ASTRONOMY.

PROFESSOR RICE, Head of Department.

1. General Descriptive Astronomy. Two hours. Young's General Astronomy, with occasional lectures.

Whenever circumstances permit, students will observe telescopic objects of interest, and also make the fundamental observations of practical Astronomy.

2. Mathematical and Theoretical Astronomy. Two hours. Theory taught mainly by lectures, supplemented by the solution of problems and practical computations. Course 2 presupposes a thorough training in Mathematics.

BIBLICAL LITERATURE.

PROFESSOR POLLARD, Head of Department.

1. The Mosaic Legislation—a study in the laws and social customs of the Hebrews. Two hours, first term.
2. The Lyric Poetry of the Hebrews—a study in the nature and growth of the Psalter. Two hours, second term.
3. Hebrew Prophecy—with special emphasis upon the nature and growth of the Messianic idea. Two hours, first term.
4. The Wisdom Literature of the Hebrews—including a study of Proverbs, Job, Ecclesiastes, and Song of Songs. Two hours, second term.
5. The Life and Literature of the Hebrews during the Exile. One hour, first term.
6. Jewish History and Literature, after the Exile, including the interbiblical period. One hour, second term.

7. The Life and Times of Christ—studies in the Gospels and contemporaneous history. Two hours, first term.

8. The Life and Letters of Paul—studies in the development of Christianity during the first century. Two hours, second term.

9. The Hebrew Language—for beginners. Two hours.

10. The Hebrew Language. Readings in the Books of Samuel. Two hours.

11. The New Testament Greek. Readings in the Gospels and the Epistles. Two hours.

12. The History of the Bible as a Book. Its transmission from early days to the present time; influence of English versions upon modern life and letters. One hour.

BOTANY.

PROFESSOR LAMSON-SCRIBNER, Head of Department.

MR. WILLIAMS, Assistant.

1. Structural and Systematic Botany.

The year is devoted to general organography, morphology, and the systematic relationships of flowering plants and the higher cryptogams, with brief outline reviews of the remaining groups. *Field excursions* are given whenever practicable, and the student is expected to become familiar with the determination of ordinary flowering plants and vascular cryptogams, and to be able to recognize the principal groups at sight. Special attention is given to the larger and more difficult families of flowering plants, such as the graminæ, composite, and leguminosæ. The student is also instructed in the proper manner of collecting and preparing plants for the herbarium and directed in beginning the preparation of a local herbarium. Two hours.

Text-books: Bastin's College Botany; Gray's Manual of Botany of the Northern United States.

Reference books: Gray's Structural Botany; Knowlton, Directions for Collecting Recent and Fossil Plants; Britton and Brown, Flora of the Northern United States and Canada.

2. Histological and Physiological Botany.

The year is devoted to lectures and laboratory work in histol-

ogy and physiology. The cutting of sections and staining and mounting of botanical objects is described and illustrated, and the student is instructed in the use of the compound microscope in botanical research. The vegetable cell and the various tissues entering into the structure of the higher plants are studied in detail, and the principles governing the phenomena of plant physiology are illustrated by experiments in the laboratory. Two hours.

Reference books: Goadale's *Physiological Botany*; Bessey's *College Botany*; Westermaier-Schneider, *A Compendium of General Botany*; Zimmerman-Humphrey, *Botanical Microtechnique*; Vines, *Lectures on the Physiology of Plants*.

3. Cryptogamic Botany.

This course includes lectures, reading, and laboratory on the structure, morphology, physiology, and biology of the cryptogams. Representatives of the various groups are studied in the laboratory, and field excursions are given for the purpose of collecting and studying the cryptogamic flora of the region. Special attention is given to fleshy fungi, parasitic fungi, bacteria, and fresh-water algae. The student is instructed in the best methods of collecting and preparing these plants for preservation in the herbarium or laboratory for study, and is required to make a small collection of the local flora. Two hours.

Reference books: Bennett and Murray, *Cryptogamic Botany*; Bessey, *College Botany*; Vines, *A Student's Text-book in Botany*; and various monographic works on special groups.

NOTE.—Courses 2 and 3 will be given on alternate years, and must be preceded by course 1.

4. Special courses for teachers in the public schools and others desiring to take up special or advanced lines of work may be arranged upon consultation with the professor, provided that students in sufficient number present themselves.

CHEMISTRY.

PROFESSOR MUNROE, Head of Department.

DR. CHATARD, Lecturer on Chemical Engineering.

DR. WHITEHEAD, Lecturer on Metallurgy.

DR. FIREMAN, Assistant Professor of Organic Chemistry

MR. BOWEN, Assistant in Assaying.

MR. JONES, Assistant in Chemistry.

MR. STORM, Assistant in Chemistry.

1. General Chemistry, a series of illustrated lectures, accompanied by recitations and exercises, on theoretical, inorganic, organic, and technical chemistry. Three hours.

Text-books: Barker's Remsen's, and Bloxam's Chemistries.

2. Laboratory Practice, a laboratory course for the study of the principles of chemistry and the methods of conducting chemical experiments. Five hours.

Text-book: Cooke's Laboratory Practice.

3. Preparation of and Study of the Properties of Chemical Substances. Five hours.

Text-books: Thorpe's Inorganic Chemical Preparations; Appleton's Easy Experiments of Organic Chemistry

4. Qualitative Analysis, a laboratory course in the study of the properties and reactions of chemical substances, and of the means employed for their detection and identification. Twelve hours.

Text-books: Clowe's and Fresenius' Qualitative Analysis.

5. Quantitative Analysis, a laboratory course in the quantitative estimation of the constituents of a specially selected and typical set of chemical substances, which are particularly adapted for teaching the student the aims and methods of quantitative chemical analysis and for imparting facility in manipulation. Fifteen hours.

Text-books: Fresenius' Quantitative Analysis.

6. Technical Analysis and Industrial Processes, a lecture and laboratory course in which the elements of chemical engineer-

ing will be taught, and special attention will be given to rapid commercial methods of analysis. Twelve hours.

Text-books: Hempel's Gas Analysis, Phillips' Engineering Chemistry, Wagner's Chemical Technology, Allen's Commercial Organic Analysis.

7. Assaying and Metallurgy of the Precious Metals, carried on by the methods used by the Government assayers, the laboratory being fitted up on the plan of that of the United States Mint. Twelve hours, for three months.

Text-books: Brown's Manual of Assaying, Rickett's Assaying.

8. History and Philosophy of Chemistry, an illustrated lecture course offered gratuitously to all students in the Department and given at irregular intervals.

9. Chemistry of the Carbon Compounds, a laboratory course in the preparation and study of the properties of a characteristic series of organic compounds. Twelve hours.

Text-book: Gattermann's Practical Methods of Organic Chemistry.

10. Modern Methods of Iron and Steel Analysis, a laboratory course for which a large amount of valuable material has been accumulated. For checking the work, samples which have been analyzed by some of our most eminent specialists are available. Fifteen hours.

Text-book: Blair's Chemical Analysis of Iron.

11. Chemistry of Explosive Substances, a laboratory and field-work course in the preparation and in the study of the properties and methods of analysis of explosive bodies. Fifteen hours.

Text-book: Munroe's Chemistry of Explosives.

12. Advanced course in Organic Chemistry, Berntsen's Text-book of Organic Chemistry.

13. Lectures on the Principles of Analysis.

14. Metallurgy of Iron and Steel, a course of lectures and readings. One hour.

Work completed in this Department is accepted as the equivalent of similar work required in the Medical School.

Special attention is paid in all courses to the methods of mak-

ing notes. Students are given practice in making abstracts. All are required to consult the current periodicals and works of reference. Advanced students will prepare a bibliography on some special topic.

Students must provide themselves in all the laboratory courses with note books, towels, suitable clothing, and the necessary equipment for the work. Apparatus and material are supplied by the University.

CIVIL ENGINEERING.

PROFESSOR FREYHOLD, Head of Department.

ASSISTANT PROFESSOR PRESSEY.

1. Land and Topographical Surveying, with theory and use of instruments, two hours; Practical Exercises and Field-work in October, November, March, and April, four hours.

2. Railroad and Highway Engineering and Hydraulic Engineering (Canals, Rivers, and Harbors, Irrigation and Drainage), one hour, and Constructive Exercises, two hours.

3. Engineering Field-work and Railroad Surveying, two hours; field-work as in course 1.

4. Masonry, Wooden, and Steel Structures, two hours, and Constructive Exercises, two hours.

5. Water Supply, Sewerage, and Sanitary Engineering, one hour.

6. Elementary Construction, two hours. Constructive Exercises, two hours.

7. Modern Tall Buildings, and the use of iron and steel in buildings, one hour.

DRAWING.

PROFESSOR KING, Head of Department and Lecturer on Mechanical Drawing.

MR. THURSTON, Instructor in Mechanical Drawing.

MR. KLAKRING, Assistant in Topographic Drawing.

1. Mechanical Drawing, a general course, designed also as a preparation for technical drafting:

- a. Elementary, geometrical, and graphical constructions.
- b. Simple elevations and plans.

- c. Elementary projections.
 - d. Developments; finding the true length of dimensions given in projections.
 - e. Elements of machines.
 - f. Sections.
 - g. Dimensioning.
2. Topographical Drawing, embracing:
- a. Technical lines.
 - b. Hypsographic expressions, including contours, hachures, and shading.
 - c. Topographic, cadastral, and public culture symbols.
 - d. Scales.
 - e. Projections.
 - f. Compilation.
3. Topographic Drawing as applied in Architecture.
4. Lettering as applied to Topographic, Architectural, and Mechanical Drawings.
5. Patent Office Drawing, special attention being given to the technical character of drawings required by the rules established by the U. S. Patent Office.

Each of these general courses will occupy two hours a week, and will be supplemented by practice.

ECONOMICS.

PROFESSOR CRAVEN, Head of Department.

DR. WRIGHT, Lecturer on Statistics.

DR. WARD, Lecturer on Sociology.

MR. McNABB, Instructor in Business Law.

MR. NEWCOMB, Instructor in Statistics.

1. Business Law.

I.—Practical Business, Commercial and Banking Law

(1.) Business Law in general:

Principles on which it rests.

(2) The Law of Contracts:

a. Agency, Partnership, Corporations, Real Estate, Personal Property, etc.

b. Commercial Paper.

Rights and Duties of Parties to Bills, Notes, Drafts, and Checks.

(3) Descent and Distribution of Property

Duties of Executors, Administrators, Trustees, Guardians, etc.

(4) Business Forms and Practice. Two hours, 1899-1900.

II.—Civil Government in the United States considered as to its origins and developments. Two hours, 1900-1901.

2. Economic Development.

I.—The History of Economic Growth among Ancient, Medieval, and Modern Peoples, down to A. D. 1500. Two hours, 1899-1900.

II.—Modern Industrial and Commercial Changes and Legislation since A. D. 1500. Two hours, 1900-1901.

3. Politics and Administration

I.—Historical and Practical Politics.—Rise and Growth of. Two hours, 1899-1900.

II.—The State; Theories and Forms of Government, Ancient and Modern. Two hours, 1900-1901.

4. Statistics and Transportation.

I.—Comparative: A numerical study of social relations, with particular regard to the population, industries, and commerce of the United States. It is the especial purpose of this course to familiarize the student with the methods of collection, classifying, tabulating, and analyzing statistical data followed in the decennial censuses of the United States and in other official investigations. Two hours, 1899-1900.

II.—Railway Transportation: History and Development of Railways. Theories of Rates, Combinations, State Ownership or Control. Two hours, 1900-1901.

5. Finance, History and Science of.

I.—Money, Coinage, Credit, and Banking: Government Paper, U. S. Moneys. Two hours, 1899-1900.

II.—Public Expenditure, Public Revenue, Taxation, Financial Administration, Budgets and Audits. Two hours, 1900-1901.

6. Political Economy.

I.—An Historical Introduction to the Study of Political Economy. Two hours, 1899-1900.

II.—The Principles of Economics. Two hours, 1900-1901.

7. Sociology.

I.—The Principles of Sociology. Two hours, 1900-1901.

II.—A Study of Individualism, Socialism, and of the Practical Social Problems of State and Municipal Administration in Respect to Sanitation, Charities, Crime, etc. Two hours, 1899-1900.

ENGLISH.

PROFESSOR WILBUR, Head of Department.

Courses of study in the Department of English are classified, according to their distinctive character, as either rhetorical or literary. The purpose of the first group of studies is (1) to discover by analysis principles of style; (2) to form by constant practice a style based on these principles; (3) to trace the evolution of a standard of writing by a study of prose masterpieces from Elizabeth's time to the present. The purpose of the second group of studies is to give the student acquaintance with the great representative writers, and to cultivate power of appreciation and refinement of taste by a study of the best literature.

All of the English subjects are correlated with a view to consecutive study through four years: Freshman year, Courses 1, 4; Sophomore year, Courses 2, 3; Junior year, Courses 5, 6, 9; Senior year, Courses 7, 8. Freshman English is required in all courses of study leading to a degree. The Language and Literature Course requires English 2 in the Sophomore year; three hours a week of English in the Junior year, and two hours of English in the Senior year. The Library Science Course re-

quires English 2 and 3 in the Sophomore year, and English 5 and 6 in the Junior year.

Rhetoric and Composition.

1. Practical Rhetoric. Rhetorical analysis and composition. (Text-books, *Practical Elements of Rhetoric*, Genung; *Handbook of Rhetorical Analysis*, Genung.) This course presupposes a knowledge of the elements of rhetoric. Two objects are contemplated: (1) A verification of rhetorical theories by the analysis of selections from the best writers, with definite, practical deductions to guide in criticism and composition; (2) the application of rhetorical rules in paragraph and theme writing. Freshmen. Two hours.

2. English Prose. A critical study of representative prose works in chronological order from the time of Elizabeth, tracing the development of prose style and literature. Two hours.

3. English Composition. (Text-book, *English Composition*, Wendell.) Practice in various forms of discourse and studies in style. This is an advanced course in English composition; it consists of themes, fortnightly essays, class studies, and lectures. One hour.

Language and Literature.

4. English Literature. The history and development of English Literature: a lecture course with illustrative readings from English authors. Members of the class are expected to read some standard work on the history of the literature. Freshmen. One hour.

5. Spenser and Milton. A comparative study of Elizabethan and Puritan Poetry. Two hours, first term.

6. American Literature. Growth and development of American Literature. Lectures in history and criticism; study of selected authors and the discussion of papers prepared by the class. Two hours, second term.

7. Shakespeare. The English Historical Plays: King John; King Richard II; King Henry IV, parts i, ii; King Henry V; King Henry VI, parts i, ii, iii; King Richard III; King Henry VIII. Two hours, first term.

8. Shakespeare. A group of selected plays studied comparatively. Two hours, second term.

9. Old English. Elementary course. Text books: *First Book in Old English*, Cook; *Exercises in Old English*, Cook. The essentials of the grammar and reading of selections from Old English texts. One hour.

FINE ARTS AS APPLIED TO ARCHITECTURE.

PROFESSOR AMATEIS, Head of Department.

MR. MEYER, Instructor in Fine Arts.

MR. SAVER, Instructor of the Perspective Class.

1. Free-hand Drawing. One hour.

2. Architectural Drawing. (The five orders.) One hour.

3. Architectural and Ornamental Drawing. Six hours, Sophomore year.

4. Architectural and Ornamental Drawing. Six hours, Junior year.

5. Architectural and Ornamental Drawing. Six hours, Senior year.

6. Modeling.

7. Lectures on the History of Ornaments, Painting, and Sculpture.

The work in courses 3, 4, and 5 is so arranged as to illustrate architectural ornamentation and decoration discussed in the lectures on the history of architecture and to furnish skill and practice in the treatment of the assigned problems in architectural design.

Special attention is given to the study of the different styles in architecture and ornament.

The Free-hand class includes practice in landscape and figure, taught by means of pencil, pen, and wash, from drawings, from casts, or from nature.

The Perspective and Water-color class includes the study of

perspective and practice in water-color for students in Architecture.

Mr. Meyer and Mr. Sayer will make arrangements for special courses—lessons to be given during the day or the evening.

GEODESY.

PROFESSOR GORE, Head of Department.

I. As supplementary to the course in Engineering, instruction is offered in Geodesy, embracing base line measurement, adjustment of triangulation, computation of geodetic coordinates, and a discussion of the figure of the earth.

Text-book: Gore's Elements of Geodesy, 3d edition.

GEOGRAPHY.

PROFESSOR GREELY, Head of Department.

MR. PORTER, Assistant.

The course of instruction includes Physical and Economic Geography. The methods followed embrace compilations, collations, and investigations by the students, and courses of lectures by the professor. The latest text-books are supplemented by the discussion of recent geographical data drawn largely from current scientific and statistical publications of the various Governmental bureaus in Washington.

I. Physical Geography: Two hours. Especial attention will be given to such parts of the earth as by fauna and flora, by mineral and vegetable deposits, or by other favoring physical conditions, either contribute most largely or promise future advantages to human welfare. Among other subjects will be considered the material influence of climatic conditions and geological formations as factors in the development of natural resources; modifications and extensions of fauna and flora by human or natural agencies; discoveries of mineral, vegetable, and other deposits; transference of centers of population, industries, and commerce; improvements of natural and creation of artificial transportation routes, and other similar physical features related to human activities.

II. Economic Geography: Two hours. The subjects specially studied bear on the most important factors connected with the development of agricultural and mineral resources, the extension and evolution of industrial methods, and their dependence on trade and commerce. The growth or decadence of the more important activities of countries or regions, transitions in industrial methods, modifications of commercial relations, the development of improved transportation routes, will be considered in their relation to each other and their effect on the future development of the world in general and the United States in particular.

GEOLOGY AND MINERALOGY.

PROFESSOR MERRILL, Head of Department.

DR. STANTON, Instructor in Paleontology and Stratigraphical Geology.

Mineralogy.

1. Descriptive Mineralogy. Two hours, first term.
2. Determinative Mineralogy. Four hours, second term.

Geology.

1. Systematic Geology: Geognosy: Dynamical, Structural, and Stratigraphical Geology. Two hours. Text-books: Scott's Introduction to Geology: Merrill's Rocks, Rock-weathering and Soils.

2. Economic Geology. Two hours. Text-books: Kemp's Ore Deposits of the United States: Merrill's Stones for Building and Decoration.

Mineralogy is taught as introductory to geology. The course is therefore designed with especial reference to minerals as rock constituents or as segregated in ore deposits. So far as possible, the course is practical, and includes a study of the ores of the base and precious metals and their associates, and the non-metallic minerals, as the natural salts and the hydrocarbon compounds. Opportunity is given the student to become familiar with blowpipe and qualitative methods of determination, and access is given to a varied collection, showing the minerals not

merely in their pure and well-crystallized forms, but in massive and granular forms, associated with gangue products and other impurities as occurring in nature.

The course in Geology consists of lectures, recitations, laboratory and field work. Opportunity is given the students in the laboratory, and, so far as hours will permit, in the field as well, to familiarize themselves with the appearance and general characteristics of rock masses. Text-book recitations are supplemented by lectures on the subjects of rock-formation by sedimentation, metamorphism, and vulcanology, and, so far as time allows, on the methods of study by means of the microscope and thin sections (micropetrology). Under the head of Applied Geology are considered, mainly by lectures and laboratory practice, the subjects comprised under (first) mineral veins and metalliferous deposits, their mode of occurrence, origin, and classification; second the ores of iron, copper, lead, zinc, tin, silver, gold, mercury, manganese, antimony, etc.; and third the non-metallic minerals, as the coals and hydrocarbon compounds; salts and materials used in chemical manufactures; abrasive, refractory, and fictile materials, mineral pigments, gems and ornamental stones, building stones, limes and cements, and mineral waters.

Paleontology is treated as a branch of geology, with special reference to its use in stratigraphy and correlation. As an introduction to the subject, representatives of the principal invertebrate types are studied. The successive faunas are then taken up, and the most characteristic forms are studied in connection with the distribution and stratigraphy of the sedimentary rocks of each period.

GERMAN.

PROFESSOR SCHOENFELD, Head of Department.

MR. HYDE, Assistant.

1. Accurate training in elementary grammar; pronunciation and translation from English into German; exercise in conversation; readings from Andersen's *Bilderbuch ohne Bilder*, Storm's *Immensee*, and some easy German poetry. Two hours.
2. More extended course in German syntax and principal

difficulties of the language, idioms, etc.; extensive translations into German; Gore's Science Reader, fourth edition; selected stories; one or two classics. Two hours.

3. Study of idioms, synonyms, and Sander's *Hauptschwierigkeiten der deutschen Sprache*; special preparation for scientific professional work; Helmholtz on Goethe's work in natural history (edition of Seidensticker); Gore's Du Bois-Raymond's *Reden*; critical studies of German classics; lectures on German literature. Two hours.

4. A special course in German training for advanced students in the Historic and Economic Departments. Schoenfeld's *German Historical Prose* and the standard works of German historians and economists will be read. Two hours.

GREEK.

ASSISTANT PROFESSOR DALLS.

1. Elementary Greek. The thorough mastery of the forms is the object of the first year's work. Constant practice is afforded in translating from Greek into English and from English into Greek. An outline of Greek syntax is acquired. During the latter part of the year the first book of the *Anabasis* is read. Text-books: White's *First Greek Book*; Goodwin's *Anabasis*. Two hours.

2. First half year, *Anabasis*, Books ii and iii, accompanied by a more thorough study of syntax and review of forms. During the second half year the first three books of the *Iliad* are read, with some study of the origin and development of Epic poetry. Two hours.

3. First half year, further study of Epic Poetry, accompanied by the reading of a portion of the *Odyssey*. The second half year is devoted to Herodotus. A careful study of the dialect is made and some attention is paid to the origin and development of History. Two hours.

4. Greek Oratory. The origin and development of Oratory among the Greeks is fully traced and especial emphasis is placed upon its importance in any historical study of Greek style.

Selections from various orators, especially Lysias and Demosthenes, are read and discussed in class. Two hours.

5. Greek Drama. The work in this course is more advanced, and deals largely with matters literary and historical. Selections from Attic tragedy and comedy are read and discussed. Two hours.

All courses are accompanied by study in grammar and composition.

Courses 1 and 2 do not count for a degree.

HISTORY.

PROFESSOR FARQUHAR, Head of Department.

ASSISTANT PROFESSOR PRIEST.

1. American History. Text-books: Eliot, Fiske, Johnston. Reference books: Bancroft, Adams, Von Holst, McMaster, Eggleston. Two hours.

2. Ancient History. Text-books: Myers' Eastern Nations and Greece; Allen's Roman People. Reference will be had to all available works on the subjects pursued.

Instruction will be given by lectures, with special reference to cause and effect and the great underlying principles of History. To vividly reproduce the life and thought of each age, with a tracing of the lessons and comparisons to be drawn from the same, will be the constant aim.

The connection of the subcourses—Egypt, Chaldea, Assyria, Greece, and Rome—is such that new students can with advantage take up the course at any time in the year.

3. Mediæval History. Text-books: Myers, Bryce, Church. Reference books: Gibbon, Hallam, Guizot. Two hours.

4. Modern History. Lecture course. Text-book: Myers. Two hours.

5. English History. Text-books: Airy, Green. Reference books: Freeman, Froude, Macaulay. Two hours.

6. Bible History. Lecture course. Reference books: Ancient History generally, with Edwald, Renan. Two hours.

Instruction in this department is given both by text-books and lectures. The method is rational and comparative rather than precise and mechanical; the course of human progress and development, the growth of institutions and civilization, receives more emphasis than separate facts. Essay-work is required. The unequalled facilities for historical research afforded by the Capital of the Nation are held in view of the classes.

LATIN.

PROFESSOR DOWNING, Head of Department.

ASSISTANT PROFESSOR DALES.

1. Elementary Latin. A thorough drill in forms is given. This is facilitated by constant practice in translating from English into Latin and Latin into English. Text book: Collar and Daniell's First Latin Book. During second term selections from Viri Rome are read. Two hours.

2. Nepos and Caesar. A thorough drill in syntax is given. Prose composition once a week. Two hours.

3. Selected Orations of Cicero. Careful study of periods of Cicero. Lectures on Roman Oratory. Two hours, first term.

Vergil. An effort is made through the study of versification and poetical usage to get an appreciation of the poetry of Vergil. Two hours, second term.

Prose composition throughout the year.

4. Cicero's De Senectute, Odes of Horace. Special attention is given to scansion. Several of the odes are memorized. Two hours, first term.

Livy. Books I and II, or XXI and XXII. Study of early history of Rome or of second Punic war. Two hours, second term.

Prose composition throughout the year.

5. Selected Letters of Pliny, Satires and Epistles of Horace. Those satires and epistles are read which best illustrate Horace and his time. Two hours, first term.

Tacitus, Germania and Agricola, Selected Letters of Cicero. Careful attention given to peculiarities of style of Tacitus. Prose composition. Two hours, second term.

6. Comedy. Plautus (Captivi), Terence (Phormio). Study of early Latin. Lectures on relation of Roman comedy to Greek comedy. Two hours, first term.

Lucretius, Selections. Brief study of the philosophy of the poem. Two hours, second term.

Courses 1, 2, and 3 do not count for a degree.

LIBRARY SCIENCE.

PROFESSOR SPOLLORD, Head of Department.

ASSISTANT PROFESSOR PRESNELL.

ASSISTANT PROFESSOR CUTLER.

The course in Library Science was instituted in October, 1897, and during the year 1898-'99 twenty-six students have registered for the work. The intention is to provide such practical instruction as shall fit students for positions as librarians or library assistants, making the instruction thorough, and training pupils for habits of research, qualifying them for other equally advanced employments.

1. Elementary Cataloguing. Practice in cataloguing such books as will best illustrate the main features of cataloguing. Cards are returned to students after correction, and may be preserved. Lectures will be given on catalogue rules, on the different forms of printed and written catalogues, on methods of duplication, and on the mechanical accessories used. Two hours.

2. Accession Department Work. Inspection and purchase of books. Reception, checking bills, collation, preparation for shelves. Accessioning. Order slips, order and serial blanks. One hour.

3. Elementary Classification and Shelf Department Work. Lectures on classification systems and notations; on shelf arrangements, shelf-listing, and stock-taking. One hour.

4. Library Administration. Loan systems. Methods of registering borrowers; charging systems; delinquent notices, fines; interlibrary loans. One hour.

5. Typewriting. Two hours.

6. Library Administration. Accounts. Statistics of readers and reading, care of supplies, etc. One hour.

7. Library Administration. Care and preservation of books. Book-binding and repair or restoration. Injuries from heat, gas, damp, insects, thefts, mutilations, etc. Treatment of periodicals and pamphlets. One hour.

8. Library Administration. Rules, access to shelves, library advertising, librarian's reports, relations to trustees or library authorities; buildings, furniture and fittings, light, heat, and ventilation; selection of assistants, salaries, leave, hours, etc. One hour.

9. Advanced Cataloguing. Preparation of a dictionary catalogue on the most advanced plan. Finding lists and accession lists. Printed catalogues. Cataloguing rarities. Government publications. Two hours.

10. Bibliography. Universal, national, trade, and special bibliographies. Preparation of bibliographies and finding lists. Methods of citation and abbreviation. History of printing, paper, publishers, etc. Two hours.

11. History of libraries. American, foreign. Copyright, in relation to libraries and literature. Qualifications of a librarian. One hour.

12. Reference Work. Helps for reader and student. Reader's guides. Note-taking and indexing. Preparation of abstracts. Reading methods. Two hours.

13. The library and the public. Organization of libraries. Library commissions and legislation. Traveling libraries. Library associations. Uses of the library to the university, the common school, the citizen, the official. One hour.

14. Preparation of thesis. Each student will be expected to present a thesis which will show the ability to do independent work. The member of the faculty having the student under his instruction in the branch on which the thesis is written will render all needed assistance.

In each of the subjects in the course extra time may be required for the practice necessary to put the facts taught to use.

MATHEMATICS.

PROFESSOR HODGKINS, Head of Department.

MR. HODGKINS, Instructor.

(A.) Elementary Algebra: Three hours. Bowser's College Algebra.

(B.) Plane Geometry: Three hours. Gore's Plane and Solid Geometry.

1. Algebra: Three hours. Bowser's College Algebra.

2. Geometry: Two hours. Gore's Plane and Solid Geometry.

3. Trigonometry: Three hours, first term. Crockett's Plane and Spherical Trigonometry.

4. Analytic Geometry: Three hours, second term. Bowser's Analytic Geometry.

5. Calculus: Two hours. Bowser's Calculus.

6. Differential Equations: Two hours. Johnson's Differential Equations.

7. Least Squares: Two hours, ten weeks.

A lecture course, with references to Merriman's Least Squares and Wright's Treatise on the Adjustment of Observations.

8. Determinants: Two hours, ten weeks. Weld's Determinants; Hanus' Determinants.

9. Quaternions: Two hours, ten weeks. Hardy's Quaternions.

10. Analytic Geometry of Three Dimensions: Two hours, ten weeks.

11. Theory of Equations: Two hours, ten weeks.

12. History of Mathematics.

Courses A and B are preparatory courses, intended for beginners, and do not count for a degree. It is expected that students entering courses 1 and 2 shall have studied plane geometry, and

through quadratic equations in algebra; but as a thorough and ready knowledge of these elements is essential to a proper understanding and mastery of the subsequent courses, and as many who have not studied mathematics for some years wish to enter these classes, it has been customary to devote the first part of the year to a careful but rapid review of some of the earlier parts.

Courses 7 to 12 are short lecture courses, and, while intended especially for students who wish only the elements of the subjects, they serve as preparation for the advanced courses described under the Graduate School. Usually only three of these five courses will be given each year.

MECHANICAL ENGINEERING.

PROFESSOR AYRES, Head of Department.

MR. MUIR, Instructor in Machine Drawing.

1. Machine Drawing. A general course in drafting-room practice. One hour, Sophomore year.
2. Machine Drawing. A course for mechanical and electrical engineering students (working drawings). Four hours, Sophomore year.
3. Machine Drawing. An advanced course for mechanical engineering students (assembly drawings, piping, and foundation plans, designing elementary machine parts). Four hours, Junior year.
4. Machine Drawing. An advanced course for electrical engineering students (assembly drawings, wiring, and connection diagrams, designing elementary parts of electrical machinery). Four hours, Junior year.
5. Elementary Kinematics. Two hours, second term, Sophomore year.
6. Thermodynamics. Three hours, Junior year.
7. Graphical Dynamics. Graphical methods applied to the dynamics of machinery. Two hours, second term, Junior year.
8. Kinematics. Four hours, Senior year.

9. Machine Design. Designing modern high-speed steam-engines. Four hours, Senior year.

10. Prime Movers. A comparative study of the steam-engine, gas engine, air engine, hydraulic motors, and other sources of power; elementary thermodynamics. Two hours, Senior year.

11. Laboratory Practice. Testing the strength of materials, calibration of instruments, indicator and brake tests of various prime movers, belt tests, etc. Three hours, Senior year.

12. Inspection of Power Plants and Machine Shops. In and about Washington are many plants which afford the student opportunity to familiarize himself with many types of motors, machines, and shop practices. Notes and sketches of machines and processes will be made and discussed later in class.

No manual training is afforded by this department. It is, however, considered essential for the future success of the student that he shall be familiar with the practical operations of the blacksmith, pattern-making, foundry, and machine shops. This end is sought, as far as practicable, in course 12 above; but the work of this course should be supplemented by further time spent in a shop of ample facilities.

The department lays main stress upon the designing and testing of machinery, considerable practice in which is given.

There is in the department a small but select library of reference on Mechanical Engineering, which the students are urged to use as much as possible. To this have been added a number of valuable books, pamphlets, drawings, etc., loaned by the professor.

For a description of the apparatus available for tests, see page 91.

MENTAL AND MORAL PHILOSOPHY.

PROFESSOR HILLIKER, Head of Department.

1. Logic, Deductive and Inductive. Text book Jevons. The text book work is aided by exposition and supplemented with lectures. In the second term's work in Induction, the instruction is chiefly by lectures, with references to Hamilton, Thomson, Whately, Mill, and Everett, and copious illustrations from the works of modern science. Two hours.

2. Psychology. It is the aim to make a candid study of mental phenomena and laws, without undue emphasis of attendant physiological processes or unwarranted assumption of rational implications. Special attention is given to the practical bearing of the results attained. The second term will be largely devoted to a study of the psychological foundations of education. Text-books, Halleck, Harris. Special references: Ladd, James, Titchener, Dewey. General references: Lotze, Wundt, Sully, Hoffding. Two hours.

3. Ethics. The class study the text of Aristotle, Kant, Mill, and Spencer, and have outlined to them in lectures the other leading ethical systems. With the data thus gained, constructive work is done, Dewey and McKenzie being taken as guides. Two hours.

METEOROLOGY AND ITS APPLICATIONS.

PROFESSOR ABBE, Head of Department.

ASSISTANT PROFESSOR MARVIN.

DR. ABBE, Instructor in Physiography.

The courses in Meteorology are designed to give a complete review of the present condition of that science, and they are necessarily extended through five years, but the lectures are so arranged that each of the five divisions is complete in itself. Each course presents a detailed view of its branch of the subject, such as may be desired by students who need this information in connection with other branches of knowledge to which they are specially devoting themselves.

In addition to the lectures, the professor devotes one hour a week to a "quiz" class, in which, by questions and answers, he seeks to remove any difficulties that remain.

Physiography as a branch of Geology is assigned to the Department of Meteorology as being that special application of Climatology to Geology whereby the history of the formation of the surface of the earth is explained.

1. Observational Meteorology. Personal diary of the weather; general methods of observing without instruments; the rain gauge; the thermometer; the barometer; the nephoscope; the

anemometer; hygrometry; actinometry; self-registering apparatus; observations in balloons; observations on mountain stations; meteorological expeditions by land and sea; forms for record; methods of computation of means and normals; graphic methods of presenting results. Two hours.

2. General Climatology. Elements of climate; general distribution over the earth of sunshine, temperature, moisture, pressure, wind, clouds; diurnal, annual, and secular periodicities; variability of local climates; empirical relations between the winds and the other elements; the absorption of radiations by the atmosphere; the theory of probabilities as used in climatology; the computations of the coefficients of the Bessels-Fourier equation; the climatic features of areas of high and low pressure; the relations between ocean currents and the atmosphere; solar and lunar tides; the constituents of the atmosphere and their variations; atmospheric dust; atmospheric moisture; climatic characteristics of oceanic, continental, and littoral regions; sensible temperatures; constitution of the atmosphere as affected by plants, animals, altitudes, and the ocean; influence of snow, swamps, and forests. Two hours.

3. Special Subjects in Meteorology and Climatology. Optical phenomena; thermal phenomena; acoustic phenomena; electrical phenomena; climate and geology; climate and vegetation; climate and anthropology; climate and hygiene; climate and engineering; climate and manufacturing industries; atmospheric dust in relation to rain, geology, vegetation, hygiene, manufactures. Montgomery J. Storm's *Steam-engine and Barus' Cloudy Condensations*. The resistance of the atmosphere to projectiles. Two hours.

4. Physiography or Elementary Physiographic Geology. This course is meant to supplement a course in Elementary Geology, and deals with the origin and development of the forms of the earth's surface. This subject includes the life histories of rivers, lakes, mountains, plateaus, plains, coast lines, continents, islands, etc., and a classification of these different features both with reference to all these classes and to each class as such. Consideration is also given to topographic forms in their relation to climate and to human occupation.

Although an elementary knowledge of Geology is necessary

for the best understanding of the subject of physiography, the lack of this need not be a bar to entering the course, as complete examinations of geological points will be made when wanted.

The course occupies two hours a week, one hour being devoted to a lecture, and the second hour (immediately succeeding the lecture if possible) is taken up in examination and study of the maps, charts, photographs, and models.

If possible, there are occasional field-lectures in place of laboratory work, when various points in the neighborhood of Washington are visited and the important features of the local topography pointed out.

PHYSICS AND ELECTRICAL ENGINEERING.

PROFESSOR WOLFF, Head of Department.

MR. REISNER, Laboratory Assistant.

1. General Physics. Three hours. First term: Mechanics, Sound, and Heat. Second term: Light, Electricity, and Magnetism. Text-books: Glazebrook's *Mechanics*; Ames' *Theory of Physics*.

This course is fully illustrated by experiments, and practical physical measurements are made before the class.

2. Elementary Mathematical Theory of Electricity and Magnetism. Three hours, first term. Text-book: S. P. Thompson's *Elementary Lessons in Electricity and Magnetism*.

3. Dynamo-electrical Machinery. Three hours, second term. Text-book: Hawkins and Wallis, *The Dynamo*.

4. Advanced Mathematical Theory of Electricity and Magnetism. Three hours, first term. Text-book: Duncan's *Translation of Gerard's Electricity and Magnetism*.

5. Dynamo-electric Machinery. Advanced course. Three hours, second term. Text-books: S. P. Thompson, *Dynamo-electric Machinery*, *Polyphase Currents*.

6. Technical Applications of Electricity. Two hours.

7. Advanced Physics. A mathematical course intended to acquaint the student with the methods of mathematical physics,

and as an introduction to the more advanced courses in the Graduate School. Three hours, second term.

8. Physical Chemistry. An elementary course with special reference to the modern theories of solutions and electro-chemistry. Two hours.

9. Elementary Laboratory Work. The exercises will include fundamental measurements and experiments in all branches of Physics. Three hours, both terms, or five hours, second term.

10. General Electrical Measurements. A laboratory course for students in the third year of the Electrical Engineering course. Six hours. Text-book: Carhart and Patterson's Electrical Measurements.

11. Advanced Laboratory Work for Third Year Students. This includes such experiments as those described in the laboratory manuals of Glazebrook and Shaw, Stewart and Gee, and Nichols. Six hours.

12. Advanced Laboratory Work for Fourth Year Students in the Electrical Engineering Course. Dynamo and motor-testing, determinations of characteristics, etc. Six hours.

13. Advanced Laboratory Work for Fourth Year Students in the course in Physics and Mathematics. Students first repeat a number of classic researches in experimental physics, and, when thus prepared, undertake original work under the guidance of the head of the department.

14. Inspection of Electric Light and Power Plants. In and around Washington and Baltimore are a number of the most modern electric-lighting and street-railway plants, telephone exchanges, telegraph operating-rooms, etc., which afford students of electrical engineering an excellent opportunity of familiarizing themselves with nearly all types of electrical machinery. The visits are followed by a class discussion.

Occasional meetings are held at which papers on special subjects are read by advanced students.

For a description of the apparatus in the electrical engineering laboratory available for tests, see page 91.

ROMANCE LANGUAGES.

PROFESSOR RAMSEY, Head of Department.

MR. MAITRE, Assistant in French.

MR. SPINOZA, Assistant in Spanish.

MR. CLARK, Assistant in French.

French.

1. As the aim of the instruction during the first year is to give the students a working knowledge of the language, their efforts are centered upon its grammatical construction and the acquisition of a vocabulary. By the end of the year the class is expected to have mastered the essentials of the grammar, and to be able to read easy French prose and to understand it when spoken. To this end the French language is used as far as practicable as a medium of instruction. Two hours.

Text-books: Chardenal's French Course; Bercy, *La Langue Française* (part 1); Roulier's *First Book of French Composition*; Halévy, *L'Abbé Constantin* (Super's edition, with notes and vocabulary).

2. Continuation of the study of grammatical construction, with exercises in composition and conversation. Occasional lectures in French on topics of general interest. Oral drill in sight rendering of English into French. Study of synonyms and idioms. Two hours.

Text books: Whitney's *Practical French Grammar*; Henniquin's *French Idioms*; Sandeau, *Mlle. de la Seiglière*; Mérimée, *Colomba*; Corneille, *Horace*.

3. General introduction to the study of French literature. Literary composition and the principles of rhetoric. Lectures on the development of the language and upon prominent periods of the literature. Two hours.

Text-book: René Doumic, *Histoire de la Littérature Française*. The texts read, which must be representative of at least three distinct periods, are selected by the class. In addition to the amount of reading in class-hours, the students are required to examine and report upon twenty literary masterpieces, dat-

ing from Villon to the present time. These works are furnished from the library of the Department.

4. Advanced prose composition and verbal criticism. Two hours.

Text-books: Roulier's Second Book of French Composition; Méras, *Syntaxe Pratique*; Muzzarelli, *Antonymes de la Langue Française*; Crouslé, *Grammaire Française (Cours Supérieur)*; Legouvé, *La Lecture en Action*.

5. French Conversation for beginners. (Mr. Maillet) Two hours.

A four months' course, given twice yearly, beginning October 1 and February 1, intended for members of classes 1 and 2 who desire more instruction in conversation than can be given in the required work of those years.

6. French Conversation for advanced students. (Mr. Maillet) Two hours.

Spanish.

The instruction in Spanish in this department has always been conducted with especial reference to the constantly increasing intercourse between the United States and the Spanish-American Republics, as much attention as possible being given to the customs, usages, resources, and products of those countries. In view of recent political events, the necessity becomes still more obvious for accentuating the New World features of the Castilian tongue.

7. The class is drilled in pronunciation, in hearing the spoken language, in writing from dictation, and in oral and written translation into Spanish of carefully graded exercises. The essentials of the grammar are presented, accompanied by practice in reading and conversation. Two hours.

Text-books: Ramsey's *Elementary Spanish Grammar and Elementary Spanish Reader*.

8. More extended presentation of the grammatical structure of the language. Critical and comparative study of syntax and idioms. History and development of the Castilian language and literature. Exercises in literary composition. Reading from

standard works of modern Spanish and Spanish-American authors. Two hours.

Text-books: Ramsey's Text-book of Modern Spanish and Spanish Prose Composition; and texts, to be selected as required.

9. Advanced prose composition and verbal criticism. Two hours.

Text-books: Ferreyra, *Lecciones de idioma castellano*; Arpa, *Ejercicios prácticos*; Valbuena, *Ripios académicos* and *Ripios ultramarinos*; Orellana, *Claseña del lenguaje*.

10. Spanish conversation for beginners—homologous to Course 5 in French. (Mr. Spinoza.) Two hours.

Italian.

11. The class is drilled in pronunciation, in hearing the spoken language, and in translating the exercises of the text-book. After the rudiments of the grammar have been mastered the class is led at once to the reading of the easier prose authors, ending with the "Alberto" of De Amicis. Two hours.

Text-books: Lemmi's Italian Grammar; Comba, *La Lingua Italiana*.

12. Further study of the grammatical construction and the principles of syntax and style. History and development of the Tuscan language and literature. Selections from Dante Alighieri, Petrarca, Boccaccio, Ariosto, Tasso, Goldoni, Pellico, and Manzoni. Two hours.

Text-books: Sauer's Italian Grammar; Montague's *Modern Italian Readings*.

ZOOLOGY.

PROFESSOR GILL, Head of Department.

A general course in Zoölogy will include lectures and laboratory work. The lectures in their scope cover all the branches of the animal kingdom, from the unicellular organisms to mammals, and correlated with these lectures is the study and dissection of type specimens in each group. This course is intended

to familiarize the student with biological characters, classificatory laws, and the general principles of evolution.

Lecture. One hour.

Laboratory. One hour.

MECHANICAL AND ELECTRICAL ENGINEERING LABORATORY.

A laboratory has been fitted with benches and tools so as to enable students in Chemistry, Physics, and Engineering to construct apparatus needed in their experimental work and researches. The Mechanical Engineering Department is also provided with a valuable collection of machine parts, illustrating the best modern practice, such as shaft-hangers, pedestals, valves, jacks, friction clutches, etc.

It is expected that arrangements will be perfected during the present session to provide the necessary additional testing machines and instruments to give a laboratory course in engineering practice. The lighting and heating plant now being installed in University Hall will form an excellent basis for such work.

A 25 K. W. direct current Westinghouse dynamo, directly connected to a Westinghouse gas engine of the latest type, has been installed. The dynamo was specially constructed to adapt it to experimental requirements, generating both direct and polyphased alternating currents. The surplus power of the Westinghouse gas engine, which is directly connected to the dynamo, will be utilized in driving smaller dynamos of various forms, which the students will have the opportunity of testing.

The engine is one of the latest and most improved types of gas engines, being a two-cylinder single-acting engine, giving an explosion every revolution, and an exceptionally close regulation. Provision is made for testing the efficiency of each machine independently, or the combined unit under a great variety of conditions.

In addition to the above, an experimental electrolytic refining plant has been installed, current for which is furnished by a Crocker & Wheeler motor dynamo, giving 150 amperes at 6 volts. Special investigations in electrometallurgy are in contemplation.

The laboratory is being equipped with the necessary measuring apparatus, direct and alternating current ammeters and voltmeters, galvanometers, standard resistances, standard cells, etc.

UNIVERSITY LIBRARY.

The Library is open every day from 9-15 a. m. until 10 o'clock p. m.

UNIVERSITY LECTURES.

Students of the Corcoran Scientific School are admitted without further fee to the University Lectures; and, when qualified to profit by them, they may secure admission to other lectures given in the Hall of the University by applying to the Dean.

EXAMINATIONS.

Examinations are conducted under the following rules of the Board of Trustees:

"Examinations for degrees in the Columbian College and the Corcoran Scientific School shall be closed at least three weeks before the end of the scholastic year, and the names of all candidates for degrees who have passed a successful examination shall be officially reported by the Faculty of each to the President of the Faculties at least two weeks before the date of Commencement."

"Examinations for prizes in each of the said departments shall be closed at least three weeks before the end of the scholastic year, and the names of the successful candidates for either shall be reported at least two weeks before the date of Commencement."

"No student shall be admitted to an examination for promotion from a lower to a higher class, or to a final examination, who is in arrears for tuition and whose name has not been certified to the Dean of the School (proposing to hold an examination) by the Treasurer."

Professors and Instructors will require students entering examinations to present their certificates from the Treasurer before permitting them to be examined.

REQUIREMENTS FOR DEGREES.

A definite value or weight is assigned to the subjects taught, the unit being, in general, *one recitation a week for a year*, with a satisfactory examination sustained at the close; but this weight varies for laboratory, designing, and field work.

The Degree of Bachelor of Science is conferred upon a student who successfully completes one of the full courses offered, or other equivalent course, aggregating not less than sixty-eight units, which has been approved by the Faculty.

SCHOLARSHIPS.

Mary Lowell Stone Scholarship, founded as "a memorial to a woman student of science, from a woman, for women students of science," consists of a fund of two thousand dollars, the income from which "is to be paid to needy women students in the Corcoran Scientific School of The Columbian University, at the discretion of the Dean of said School."

Edward T. Fristoe Scholarship has been founded in memory of the first Dean and Professor of Chemistry of the Corcoran Scientific School. The income from this fund is not yet available.

The Carter Scholarships, founded by Mrs. Mary M. Carter in memory of her husband, Henry Harding Carter, consist of five scholarships of the annual value of fifty dollars each, and may be awarded to deserving students who are preparing for the civil engineering profession.

The Powell Scholarships were founded by the late Admiral Powell, U. S. Navy. The income from this endowment is for "the free education of such young men as may desire to take advantage of the said endowment by way of their preparation for entrance into the Naval Academy at Annapolis, Maryland, or such as may fit them to become mates or masters in the Merchant Marine Service of the United States," and of "such apprentices as having filled their time in the great steam manufacturing establishments of the country may apply for appointment from civil life in the Steam Engineer Department of the United States Navy." The number of scholarships awarded each year

will be determined by the income from the endowment. Each scholarship will entitle the beneficiary to free tuition for one year. Such special courses of study are offered to each student as will give him the instruction needed to accomplish the purpose for which he is awarded the scholarship.

All awards of scholarships are made for one year only, but may be renewed. Applications for Scholarships should be filed with the Dean not later than September 15th.

LOAN COLLECTION OF TEXT-BOOKS.

Through the generosity of Mrs. Susan Moore, a collection of text books has been provided, to be loaned to indigent students at the discretion of the Dean. Additions to this collection are solicited.

PRIZES.

The Willie E. Fitch Prize, for highest excellence in all branches of Chemistry, founded by James E. Fitch, Esq., in memory of his son, consists of fifty dollars, which is awarded annually to the student passing the best examination in the Department of Chemistry.

SCHMIDT PRIZE.—This prize was established by Mr. Fred. A. Schmidt, of Washington, in 1891, and is to hold good for a period of ten years. The prize consists of a pocket case of the finest Drawing Instruments. All students in full standing in the second year taking a full course in one of the departments of Architecture, Civil Engineering, Electrical Engineering, or Mechanical Engineering are considered applicants without further notice.

The prize will be awarded to that student passing highest in Descriptive Geometry and the second year mathematical studies, taken in common by all the students in the above-named four departments; Descriptive Geometry plates to count seventy-five 75 per centum, and twenty-five 25 per centum to be evenly distributed between the yearly examinations in Descriptive Geometry and the second year mathematical studies taken in common by all four departments.

VEERHOFF MEDAL.—Mr. W. H. Veerhoff offers a gold medal to that student in Architecture who obtains the best average in

the first year of the course in Fine Arts as applied to Architecture.

AMATEUR MEDAL.—Professor Louis Amateis offers a gold medal, to be given to the student who, graduating with the degree of Bachelor of Science in Architecture, obtains the highest relative standing in Fine Arts as applied to Architecture, Building Construction, and in Architecture.

Prize Awards, 1898.

Willie E. Fitch Prize.....Aida Mary Doyle
Schmidt Prize.....Harry Ormond Cutting.
Veerhoff Prize.....A. Sidney Jones.

ANNUAL TUITION FEES.

For single studies, without laboratory work.....	\$40 00
For two studies, without laboratory work	75 00
For three or more studies, without laboratory work ...	100 00
Course 2 or 3 in Chemical Laboratory, including cost of material and apparatus	50 00
Laboratory Course in Chemistry (except 2 or 3).....	100 00
For chemicals used	25 00
Deposits returnable for breakage	25 00
Laboratory Courses in Assaying of Ores and Bullion ...	40 00
For materials used	20 00
Elementary Course in Physical Laboratory	20 00
Advanced Course in Physical Laboratory	30 00
Laboratory Course in Mineralogy for the year)	60 00
For materials used	10 00

ANNUAL FEES FOR FULL COURSES OF STUDY
LEADING TO THE DEGREE OF BACHELOR OF
SCIENCE.

Freshman year, common to all courses)	\$100 00
Sophomore year, Course 1 (laboratory fees extra)	100 00
Junior " " 1 " " " "	100 00
Senior " " 1 " " " "	100 00
Sophomore " " 2	100 00
Junior " " 2	100 00

THE COLUMBIAN UNIVERSITY.

					\$100 00
Senior	year.	Course	2		120 00
Sophomore	"	"	3		130 00
Junior	"	"	3		130 00
Senior	"	"	4		120 00
Sophomore	"	"	4		120 00
Junior	"	"	4		130 00
Senior	"	"	5		150 00
Sophomore	"	"	5	deposit, \$10.00	150 00
Junior	"	"	5	deposit, \$10.00	130 00
Senior	"	"	6		150 00
Sophomore	"	"	6	deposit, \$10.00	150 00
Junior	"	"	6	deposit, \$10.00	100 00
Senior	"	"	7		100 00
Sophomore	"	"	7		100 00
Junior	"	"	7		130 00
Senior	"	"	8		120 00
Sophomore	"	"	8		130 00
Junior	"	"	8		100 00
Senior	"	"	9		100 00
Sophomore	"	"	9		105 00
Junior	"	"	9	laboratory fees extra	150 00
Senior	"	"	10		100 00
Sophomore	"	"	10	deposit, \$10.00	100 00
Junior	"	"	10		100 00
Senior	"	"	11		100 00
Sophomore	"	"	11		100 00
Junior	"	"	11		100 00
Senior	"	"	12		100 00
Sophomore	"	"	12		100 00
Junior	"	"	12		100 00
Senior	"	"	13		100 00
Sophomore	"	"	13		100 00
Junior	"	"	13		100 00
Senior	"	"	14		100 00
Sophomore	"	"	14		130 00
Junior	"	"	14		130 00
Senior	"	"	15		130 00
Sophomore	"	"	15		10 00
Junior	"	"	15		
Senior	"	"	15		
Diploma fee (final)					

The tuition fees for special technical instruction not included in the above statement will be fixed when demanded, and will be determined largely by the number of students offering themselves in such work.

All fees are payable in advance, unless special arrangement be made with the Treasurer to suit the convenience of the student. Fees for single or for special studies are payable in advance in half-yearly installments. No deduction on account of absence will be made for less time than one quarter of a scholastic year.

A student desiring to make any change in his course of study or to drop any study should inform the Dean of this fact at the beginning of the month and have the change, if approved, indorsed on his matriculation certificate. Students failing to conform to this requirement are responsible for the fees entered on their certificates until such notice is rendered.

ROOMS AND BOARD.

During the year 1898 '99 desirable rooms, convenient to the University buildings, have been offered at prices ranging from \$5 to \$10 per month, and good board has been offered from \$15 to \$20 per month. List of persons offering rooms and board can be obtained from the Registrar of the University.

For further information regarding the Corcoran Scientific School, application may be made to

HOWARD L. HODGKINS, *Dean,*
The Colorado University.

STUDENTS IN THE CORCORAN SCIENTIFIC
SCHOOL.*Candidates for Degrees*

Name.	State.	Address.
Adams, Fannie Emma.....	N. C.....	1008 N Street
Alexander, John Phipps.....	Tenn.....	Treasury Department.
Allison, Isaac.....	D. C.....	90 M Street.
Ancona, John F.....	D. C.....	1742 F Street.
Anderson, Cyrus N.....	Miss.....	2119 F Street.
Armstrong, John Elmer.....	N. Y.....	Pension Bureau.
Arrick, Lucy Y.....	Ohio.....	1332 Mass. Avenue.
Beale, Kenneth Foster.....	Mass.....	1700 Corcoran St.
Beeler, George Lowman.....	Ill.....	409 G Street, N. E.
Blakelock, David Holmes.....	D. C.....	619 6th Street, S. W.
Boswell, Francis Gordon.....	D. C.....	415 O Street.
Boyle, Eldridge Roger.....	Md.....	Hyattsville, Md.
Brann, Berlin Guy.....	D. C.....	1309 F Street.
Brearley, James A.....	D. C.....	306 10th Street, S. E.
Brewer, Martha Maria.....	Md.....	118 Mass. Ave., N. E.
Brown, Archibald Webster.....	Md.....	1729 13th Street.
Bunn, Alexander M.....	N. C.....	227 Patent Office.
Calver, Arthur W.....	D. C.....	1721 P Street.
Colestock, Harry Ludwig.....	Pa.....	957 Mass. Avenue.
Covell, Leon Claude.....	D. C.....	1122 G Street, S. E.
Cross, S. Clark.....	D. C.....	1012 17th Street.
Crowell, William Butterworth.....	Ohio.....	1508 Park Street.
Cutting, Harry Omond.....	Wis.....	102 Patent Office.
Davis, William Hammett.....	N. Y.....	817 15th Street.
Didden, George A.....	D. C.....	709 13th Street.
Doyle, Louis Irving.....	Pa.....	1902 Third Street.
Ecker, John Beard.....	N. Y.....	1219 16th Street.
Eldridge, Maurice Owen.....	Tenn.....	1828 9th Street.
Fedlows, Harriet Adele.....	Conn.....	1510 Caroline Street.
Fowler, Harold Will.....	N. Y.....	741 1st Street.
Gale, Julien Chisolm.....	Pa.....	1618 17th Street.
Georgii, Max.....	D. C.....	606 F Street.
Giles, Louis E.....	Mich.....	125 B Street, S. E.
Gordon, John Blake.....	D. C.....	6 Cooke Place.

Name	State	Address
Gregory, Joseph William	D. C.	110 5th Street, N. E.
Guerdrum, George Herbert	D. C.	440 Jefferson Street, Anacostia, D. C.
Gwinn, Thomas R.	Md.	1225 Conn. Avenue.
Hadsall, Joseph C.	W. Va.	Treasury Departm't.
Harrison, Joseph Owens, Jr.	D. C.	631 East Capitol St.
Hayes, Roy Bagley	Wis.	626 O Street.
Hiatt, Frank H.	Neb.	502 C Street S. E.
Hiatt, James Edgar	Ind.	250 N Street.
Hillyer, Edward L.	Fla.	412 A Street, S. E.
Hillyer, William Eldridge	Fla.	412 A Street, S. E.
Holmes, Kirk	Minn.	1502 H Street
Holmes, Robert J.	Neb.	622 5th Street
Holt, Lester Morton	Wis.	1017 12th Street
Hood, Charles Emerson	D. C.	Pacific Building
Hopkins, N. Monroe	D. C.	1833 Jefferson Place.
Jones, A. Sidney	N. C.	1005 8th Street.
Kleberg, Alfred Leon	Texas	406 A Street, S. E.
Lacy, John McDowell	D. C.	3013 Cambridge Pl.
Law, Leroy Mahler	D. C.	423 9th Street, N. E.
Lewis, Noble	D. C.	515 12th Street.
Lutie, Ray D.	Mich.	Indian Office.
Lupton, Edward Janney Sidwell	W. Va.	Treasury Departm't.
Marean, Guy Bennett	D. C.	1900 Lincoln Ave.
Marean, Ralph Brewster	Pa.	440 2d Street, N. E.
Marsh, Earl G.	Ohio	628 E Street, N. E.
Meigs, Orton L.	D. C.	325 2d Street, S. E.
Millikin, Humphreys	Tenn.	The Victoria.
Moore, Charles A.	Col.	Post Office Dep't.
Mueden, Rudolph Edward	D. C.	437 M Street
Noyes, Edward R.	D. C.	500 Md. Ave., S. W.
Olberg, Charles Real	Minn.	322 Spruce Street
Palmer, Roy M.	D. C.	1498 31st Street.
Parkman, Mary Rosetta	D. C.	802 D Street, N. E.
Pierce, Charles Herbert	Tenn.	246 Patent Office
Pierson, William Thomas, Jr.	Fla.	315 5th Street, S. E.
Portner, Robert F.	D. C.	1104 Vermont Ave.
Powell, Walter Reynolds	Md.	Box 39, Anacostia.
Redington, Richmond B.	D. C.	1749 Q Street
Rhea, Robert Yancey	Ky.	907 Mass. Avenue.

Name	State	Address
Roane, Edward Bertrand	D. C.	422 B Street, S. E.
Roberts, Edwin E.	D. C.	621 East Capitol St.
M. D., National University.		
Sackett, William H.	Neb.	635 Md. Ave., N. E.
Schooley, Charles H.	Colo.	943 R Street.
Scott, Walter Armitage	Ill.	War Department.
Skinner, Frank Eugene	Md.	Takoma Park, D. C.
Smith, Dempster Martin	D. C.	1838 Vermont Ave.
Smith, Roger Green	D. C.	314 A Street, N. E.
Stabler, Harold B.	D. C.	1321 G Street.
Stenger, Robert Cunningham	Pa.	2102 18th Street.
Taggart, Giles Russell	N. J.	584 Bates Street.
Thatcher, Frank Hosford	Iowa	1016 D Street, N. E.
Thomas, George M., Jr.	Ky.	1325 Vermont Ave.
Thompson, Edward Cyrus	Iowa	1312 8th Street.
Thompson, John Ambrose	D. C.	1720 H Street.
Thompson, Wilford Ashford	Iowa	1312 8th Street.
Thorneley, Walter C.	Pa.	Gov't Printing Office.
Todd, George Carroll	Va.	3169 P Street.
Topping, D. Le Roy	N. Y.	1913 Penna. Ave.
Townsend, Clinton P.	La.	151 Patent Office.
Tripp, Homer F.	Ohio	525 New Jersey Ave.
Tweedale, Linda M.	Pa.	12 Grant Place.
Twitchell, Mayville William	N. Y.	730 22d Street.
Underwood, Lineas D.	Ohio	Patent Office.
Upton, Gertrude E.	Maine	406 Spruce Street.
Warner, George Littleton	Ohio	1514 Q Street.
Wasdon, B. G.	Ark.	1221 12th Street.
Waters, Cyrus Borrows	D. C.	716 7th Street.
Wayland, James P.	D. C.	1706 R Street.
Weer, Charles Raymond	Ohio	1712 14th Street.
Weer, Edward Leroy	Ohio	1712 14th Street.
Weller, Francis R.	D. C.	408 C Street, S. E.
West, Sara	Germany	205 G Street.
Wharton, John James, Jr.	Va.	City Post Office.
Williams, Anna Ruby	Ga.	1520 Corcoran Street.
Wooster, Walter Mallery	D. C.	1443 Q Street.
Yancey, K. Lulalia	Va.	1309 17th Street.

Special Students

Name	State	Address
Ailes, Eugene Elliott	Ohio	951 25th Street
Allen, Fanny May	Md.	704 3d Street
Atwell, Howard J.	Va.	905 C Street, N. E.
Baker, Stephen H.	Mass.	1335 12th Street.
Barnes, Mary A.	N. J.	912 Mass. Avenue.
Barnhart, Joseph H.	Ill.	728 Sheridan Street.
Bauskett, Helen V.	S. C.	1408 8 Street.
Beach, Bessie Baldwin	Conn.	1416 11th Street.
Bell, David W.	N. C.	1331 Kenesaw Ave.
Bickler, Lexie J.	D. C.	507 2d Street, S. E.
Bliss, Frank Corey	Pa.	1443 Chapin Street.
Brockett, Paul	Ill.	Smithsonian Inst'n.
Brown, Nellie Beauchamp	Iowa	411 Spruce Street.
Bruce, Jeanne White.	Minn.	Hotel Lincoln
Bryan, Romulus Webber	D. C.	1624 18th Street.
Buell, Herbert L.	N. Y.	1701 V Street.
Bumstead, Albert H.	Mass.	1427 Chapin Street.
Caffery, John Murphy	Ia.	2110 O Street.
Callaghan, Margaret G.	Md.	Tenleytown, D. C.
Cameron, Harriet L.	Minn.	250 9th Street, N. E.
Carnev, Thomas Joseph	D. C.	Richmond Hotel.
Church, Clarence.	Md.	626 N. C. Ave., S. E.
Clapp, Ella B.	N. C.	1106 16th Street.
Clements, M. F.	Iowa	1131 11th Street.
Clemons, Albert Adsit.	Cal.	1443 Corcoran Street.
Crawley, Clarence J.	Kan.	215 8th Street, S. E.
Daggett, George F.	Maine	630 A Street, N. E.
Davies, John.	D. C.	309 I Street, S. E.
Dawes, Elizabeth M.	D. C.	316 M Street.
De Lawder, Mary Adaline	Md.	1423 8th Street.
Denny, Susie W.	Va.	1341 Q Street.
Deweese, Emma L.	D. C.	201 East Capitol St.
Diendonné, Charles G.	D. C.	122 Md. Ave., N. E.
Dill, Henry Gilbert	D. C.	1216 Conn. Avenue.
Diver, Hetty N.	D. C.	222 C Street, S. E.
Duke, Emma	D. C.	807 18th Street.
Duncan, Harry Lee	N. Y.	106 Patent Office.
Dunham, Charles Nelson.	D. C.	1740 S Street

Name	State	Address
Eldridge, Mrs. Emily L.	Cal.	2020 G Street.
Evans, Maurice Preston.	Va.	311 S Street, N. E.
Ewell, Ervin Edgar.	Mich.	1215 12th Street.
Feldkamp, Paul Charles.	Ill.	War Department.
Fisher, Hugh Wilson.	D. C.	2020 G Street.
Fletcher, Frank D.	D. C.	1324 Q Street.
Flournoy, B. C.	Md.	1129 14th Street.
Flournoy, Parke P., Jr.	Md.	1129 14th Street.
Foley, John.	N. Y.	924 Mass. Avenue.
Foley, Thomas M.	D. C.	933 25th Street.
Ford, Ella May.	Va.	63 N. Y. Ave., N. E.
Frost, Ellis F., M. D.	D. C.	737 13th Street.
Fuller, Mrs. Mary.	I. T.	208 N. J. Ave., S. E.
Gibson, Irene.	Mo.	1320 Corcoran Street.
Godfrey, Morella W.	N. Y.	921 11th Street.
Graham, Josephine E.	D. C.	209 3d Street, S. E.
Greene, Jane R.	Va.	Alexandria, Va.
Happer, Mrs. Emily F.	Pa.	1612 T Street.
Hardester, David A.	D. C.	529 12th Street, S. E.
Harrison, J. L.	Texas.	13 E Street.
Hayt, Rosina Electa.	Pa.	128 A Street, N. E.
Heald, Emma Pauline.	Mass.	704 3d Street.
Hedrick, Mary E.	D. C.	1321 N Street.
Herbert, Mabel Clare.	Md.	209 East Capitol St.
Hindmarsh, Walter B.	Va.	Treasury Departm't.
Hopkins, Matthew Smith.	Md.	Highland, Md.
Hyde, John Lawrence.	Neb.	1458 Euclid Place.
Karch, Albert F.	Ill.	928 N. Y. Avenue.
Keble, Clara E.	Ohio.	912 Mass. Avenue.
Kelly, Eugene Joseph.	D. C.	325 13½ Street, S. W.
Kelly, Gilbert Walker.	D. C.	2702 13th Street.
King, Carl Clifton.	Ohio.	222 F Street, N. E.
Kramer, Stephen E.	Ga.	1315 Q Street.
Lamont, Roscoe.	N. Y.	1733 Riggs Place.
Leitzell, Stuart Milton.	Pa.	130 R Street, N. E.
Lemly, Fred. H.	N. C.	1021 Vermont Ave.
Lerch, Alice.	D. C.	1448 R. I. Avenue.
Lovell, H. E.	Mass.	212 T Street.
Manning, William S.	W. Va.	1511 R. I. Avenue.
McBrier, Mrs. H. L.	D. C.	121 A Street, N. E.

Name	State	Address
McConnell, Wiley N.....	Texas.....	606 9th Street.
Meigs, Bertha.....	D. C.	325 2d Street, S. E.
Merillat, Margaret.....	D. C.	1430 8th Street.
Metcalf, Gertrude Elizabeth.....	Maine.....	1631 Marion Street.
B. S., Columbian University, 1898.		
Mewshaw, James.....	Md.	Rockville, Md.
Moulton, E. Phillips.....	Ohio.....	1331 12th Street.
Mowrer, Hattie A.....	Md.	Documents Office.
Nesbit, Donald.....	Va.	1202 21st Street.
Nussbaum, Sophie F. E.....	N. Y.....	1637 13th Street.
Oberly, Beatrice C.....	D. C.	629 Md. Ave. N. E.
Ogden, E. Lucy.....	Tenn.....	109 5th Street, S. E.
Ogden, George R.....	Mont.....	1413 V Street.
Oliver, Mary Lackland.....	D. C.	1725 Riggs Place.
Orth, Henry, Jr.....	D. C.	1011 L Street.
M. E., Lehigh University,		
1893; LL. B., Columbian		
University, 1896; LL. M.,		
Columbian University, 1897.		
Osterman, Gilbert J.....	D. C.	Anacostia, D. C.
Ottenberg, Jennie.....	D. C.	1243 7th Street.
Parsons, James L., Jr.....	D. C.	322 10th Street, S. E.
Patrick, George Edward.....	Iowa.....	1785 Masa. Avenue.
B. S., Cornell University,		
1873; M. S., Cornell Uni-		
versity, 1874.		
Pattison, Blanche L.....	D. C.	1416 6th Street.
Pierce, Julian.....	Mich.....	101 G Street.
Pistorio, Irene Mabel.....	D. C.	626 B Street, S. W.
Post, William Leander.....	D. C.	1517 Caroline Street.
Post, William S.....	Ill.....	1738 Q Street.
Price, Harry N.....	Ohio.....	1709 13th Street.
Raber, Katherine M.....	Ohio.....	1300 Lydecker Ave.
Richards, George Lawrence.....	N. Y.....	1414 K Street.
Riddleberger, Hugh C.....	Va.	1601 15th Street.
Riddleberger, Olive M.....	Va.	1601 15th Street.
Russ, Arthur B.....	Maine.....	9 9th Street, S. E.
Schley, Milton Boyd.....	Md.....	908 12th Street.
Schwartz, Andrew J.....	W. Va.....	16 I Street.
Siewers, Ralph de Schweinitz.....	N. C.....	1023 Vermont Ave.

Name.	State.	Address.
Sigourney, Daniel Paul.....	D. C.....	1555 9th Street.
Smoot, Lloyd D.....	D. C.....	3017 N Street
Snell, Cora Ethel.....	Neb.....	Takoma Park, D. C.
Spliedt, Charles Edward.....	D. C.....	907 East Capitol St.
Stearns, Alice W.....	Minn.....	406 Florida Avenue.
Stetson, Frank O.....	Mass.....	1802 R Street.
Steward, Willard G.....	La.....	810 11th Street.
Stickney, Rosamond K.....	D. C.....	607 M Street.
Stout, John K.....	Neb.....	501 Stanton Pl., N. E.
Symons, William L.....	Ohio.....	1021 11th Street.
Tauberschmidt, John A.....	D. C.....	1717 6th Street.
Thompson, Charles Newton...	Va.....	1104 12th Street.
Thomson, Mary.....	Wis.....	The Litchfield.
Tilton, Emma Evangeline....	D. C.....	220 2d Street, N. E.
Town, Frederic E.....	D. C.....	1111 14th Street.
Townsend, Arthur C.....	Md.....	1218 Mosher Street, Baltimore, Md.
Triepel, Mrs. Emma M. V.....	N. C.....	1211 Q Street.
Turner, Emma Harper.....	Ind.....	1507 R. I. Avenue.
Uhler, John Lloyd.....	Va.....	611 Cameron Street, Alexandria, Va.
Ulke, Julius, Jr.....	D. C.....	1004 S Street.
Underwood, Norman.....	D. C.....	1407 10th Street.
Waring, Mrs. Lucretia Cole....	Cal.....	2233 Q Street.
Webster, Edward Harlan.....	Pa.....	1509 10th Street.
Wightman, Mary Dickson....	Pa.....	1727 Riggs Place.
Wissinger, Purcell H.....	D. C.....	New P. O. Building.
Witherspoon, Thomas Alfred..	Tenn.....	27 Iowa Circle.
U. S. Naval Academy, 1883:		
LL. B., Columbian Univer-		
sity, 1891; M. S., Columbian		
University, 1897.		

Candidates for degrees	110
Special students.....	136
Total	246

THE SCHOOL OF GRADUATE STUDIES.

FACULTY.

BENAIAH L. WHITMAN, D. D.,
President.

CHARLES E. MUNROE, Ph. D.,
Dean, and Professor of Chemistry.

REV. ADONIRAM J. HUNTINGTON, D. D.,
Professor of Greek

REV. SAMUEL M. SHUTE, D. D.,
Emeritus Professor of English.

JAMES HOWARD GORE, Ph. D.,
Professor of Mathematics.

LEE D. LODGE, Ph. D.,
Professor of Political Philosophy, and Secretary of the Faculty.

D. KERFOOT SHUTE, A. B., M. D.,
Professor of Anatomy

THEODORE N. GILL, Ph. D.,
Professor of Zoölogy

CLEVELAND ABBE, A. M., LL. D.,
Professor of Meteorology.

HERMANN SCHOENFELD, Ph. D.,
Professor of German.

THE COLUMBIAN UNIVERSITY.

REV. J. MACBRIDE STERRETT, D. D.,
Professor of Philosophy.

EDGAR FRISBY, A. M.,
Professor of Astronomy.

WILLIAM T. HARRIS, LL. D.,
Professor of Philosophy.

EMIL A. DE SCHWEINITZ, Ph. D.,
Professor of Bio-Chemistry.

FRANK W. CLARKE, S. B.,
Professor of Mineral Chemistry.

HARVEY W. WILEY, Ph. D.,
Professor of Agricultural Chemistry.

REV. FRANK H. BIGELOW, A. M.,
Professor of Solar Physics.

GEORGE P. MERRILL, Ph. D.,
Professor of Geology.

HOWARD L. HODGKINS, Ph. D.,
Professor of Mathematics.

EDWARD FARQUHAR, Ph. D.,
Professor of Ancient and Church History.

LOUIS AMATEIS,
Professor of Fine Arts as Applied to Architecture.

FRANK A. WOLFF, Ph. D.,
Professor of Electrical Engineering.

F. LAMSON-SCRIBNER, B. S.,
Professor of Botany.

JOSEPH C. HORNBLOWER,
Professor of Architecture.

C. F. MARVIN, M. E.,
Associate Professor of Meteorology.

MARATHON MONTROSE RAMSEY, A. M.,
Professor of Romance Languages.

ANDREW F. CRAVEN, Ph. D.,
Professor of Economics.

EDWARD B. POLLARD, Ph. D.,
Professor of Biblical Literature.

CHARLES C. SWISHER, Ph. D.,
Professor of American and English History.

FELIX FREYHOLD, C. E.,
Professor of Civil Engineering.

WILLIAM ALLEN WILBUR, A. M.,
Professor of English.

GUSTAVE AYERS, M. E.,
Professor of Mechanical Engineering.

CHARLES W. DOWNING, A. M.,
Professor of Latin.

HERBERT LOUIS RICE, M. S.,
Professor of Astronomy.

DOMINGO A. USINA, C. E.,
Assistant Professor of Applied Mathematics.

OTIS T. MASON, Ph. D., LL. D.,
Lecturer on Anthropology.

BOARD OF DIRECTORS OF UNIVERSITY STUDIES.

BENAIHA L. WHITMAN, D. D., President.
 CHARLES E. MUNROE, PH. D., Dean and Professor of Chemistry.
 REV. ADONIRAM J. HUNTINGTON, D. D., Professor of Greek.
 THEODORE N. GILL, PH. D., Professor of Zoology.
 OTIS T. MASON, PH. D., Lecturer on Anthropology.
 CLEVELAND ABBE, A. M., LL. D., Professor of Meteorology.
 D. KERFOOT SHUTE, A. B., M. D., Professor of Anatomy.
 JAMES HOWARD GORE, PH. D., Professor of Mathematics.
 LEE D. LODGE, PH. D., Secretary, and Professor of Political Philosophy.
 HERMANN SCHOENFELD, PH. D., Professor of German.
 REV. J. MACBRIDE STERRETT, D. D., Professor of Philosophy.
 REV. FRANK H. BIGELOW, A. M., Professor of Solar Physics.
 CHARLES C. SWISHER, PH. D., Professor of American and English History.
 WILLIAM ALLEN WILBUR, A. M., Professor of English.

The School of Graduate Studies was established by order of the Corporation of the University at the annual meeting in 1892, and was opened for the reception of students on Thursday, the 5th of October, 1893. The sixth session begins Wednesday, September 27, 1899.

The School is opened each year with a public address by a member of the Faculty.

DEGREES.

The degrees of Master of Arts (M. A.), Master of Science (M. S.), Civil Engineer (C. E.), Electrical Engineer (E. E.), Mechanical Engineer (M. E.), and Doctor of Philosophy (Ph. D.) are conferred on members of the School of Graduate Studies under such regulations as may be established from time to time by the Board of Directors; but no graduate student will be regarded as a candidate for any advanced degree until he shall have been admitted to such candidature by the Board of Directors of University Studies.

The Masters' Degrees.

Persons holding the degree of Bachelor of Arts from institutions of repute are qualified to enter as candidates for the degree of Master of Arts, and those holding the degree of Bachelor of Science for the degree of Master of Science.

Candidates for a Master's degree to be eligible shall pass one year at this University in the advanced study of at least one subject, and shall sustain a satisfactory examination and present an acceptable thesis.

Engineering Degrees.

Persons holding the degree of Bachelor of Science in Engineering courses, or its equivalent, from institutions of repute are qualified to enter as candidates for the degrees of Civil Engineer, Mechanical Engineer, or Electrical Engineer.

Candidates to be eligible shall pass one year at this University in the advanced study of Engineering subjects, shall sustain a satisfactory examination in these subjects, and shall present a satisfactory thesis.

Doctors' Degrees.

Persons holding the degree of Master of Science, Master of Arts, or their equivalent, from institutions of repute are qualified to offer themselves as candidates for the degree of Doctor of Philosophy.

Candidates for the degree of Doctor of Philosophy shall offer themselves in three topics for advanced study—one major and two collateral minor subjects. Before being admitted as candidates, they shall pass satisfactory examinations in French and German, and shall pay an examination fee of five dollars for the examination in each of those languages.

To be eligible for the degree, candidates who hold Masters' degrees shall pass two years in the study at this University of their major topic and one year in the study of each minor topic; they shall sustain satisfactory examinations upon the three subjects which they may have elected, and they shall present theses, accompanied with an exhaustive bibliography, embodying the results of original research in their major subject, which theses they shall be prepared to defend before a board of experts.

FEES.

The matriculation fee of candidates for any degree conferred in this School is ten dollars.

The annual fee for instruction and direction of candidates for Master's degrees is thirty dollars.

The annual fee for instruction and direction of candidates for an Engineering or a Doctor's degree is ninety dollars.

Where laboratory courses are taken, an additional fee is required.

The fee for a diploma is ten dollars.

COMMENCEMENT.

Candidates for degrees are expected to appear at the Commencement Exercises in academic caps and gowns.

THESES.

All theses must be presented on the official thesis paper of the University, and they must be typewritten when possible. Official Thesis paper can be purchased from the Registrar of the University.

All theses must be presented to the Dean not later than May 11.

All theses, with their accompanying drawings, are the property of the University, and must be deposited in the University archives; but authors are permitted to make copies by applying to the Dean.

Candidates who receive the degree of Doctor of Philosophy are expected to have their theses printed as early as practicable after graduation and to present fifty copies of the printed thesis to the University, through the Dean, to be distributed among learned institutions.

FINAL EXAMINATIONS.

Examinations are conducted under the following rules of the Board of Trustees:

Examinations for degrees shall close at least three weeks before the end of the scholastic year, and the names of all can-

didates for degrees who have passed a successful examination shall be officially reported, by the Faculty of each, to the President of the Faculties at least two weeks before the date of the commencement."

"No student shall be admitted to an examination for promotion from a lower to a higher class or to a final examination who is in arrears for tuition and whose name has not been certified to the Dean of the School (proposing to hold an examination) by the Treasurer."

Professors and instructors will require students entering examinations to present their cards of admission from the Treasurer before permitting them to be examined.

COURSES OF STUDY.

The following courses are offered to students in the School of Graduate Studies. Candidates for the degree of Doctor of Philosophy will be required to select their major subject from among those enumerated below, but the minor subjects may be chosen from among any offered in the University which may prove acceptable to the Board of Directors.

ENGLISH.

PROFESSOR WILBUR.

The courses offered are given according to the needs of students actually in attendance. The work is not, as a rule, conducted in classes, but through personal conference and individual research. A satisfactory thesis is required at the completion of each course of graduate study.

1 The Elements of Style. 1 Sound. An investigation of the phonetic elements of words as a distinct factor in style. 2) Words: The sources and growth of the English vocabulary; the percentage of native words in the English of different writers; comparative values of the native and the foreign elements; the significance of words. (3) Sentences: The history of sentence-length and sentence-form in English prose. (4) Paragraphs: The history of the English paragraph. (5) Figures of Speech. (6) Forms of Discourse.

2. English Literary Criticism. 1. A study of the principles of literary criticism, with exercises in the criticism of literature of varying types. 2. The history of English literary criticism from the sixteenth century.

3. Literary History of England. A survey of the whole field, and a critical study of some phase of literary development. The following authors are read: Faine, Ten Brink, Brooke, Saintsbury, Gosse, Stedman.

4. Literary History of America. A survey of the whole field, and a critical study of some phase of literary development. The following authors are read: Tyler, Richardson, Stedman, Bates, Vedder, and the volumes in the "American Men of Letters" series.

5. English Romanticism. The history of English romanticism, with particular reference to the beginnings of the romantic movement in the eighteenth century.

6. Marlowe. The works of Christopher Marlowe, with studies in language, versification, dramatic art, influence, and interpretation.

7. Shakespeare. The works of Shakespeare, with inductive studies in phases of dramatic art, and in interpretation.

8. Tennyson. A comprehensive study of Tennyson's works: his literary characteristics; his ethical and religious teaching.

GREEK.

PROFESSOR HUNTINGTON.

For the Master's Degree one of the following courses is offered

1. Herodotus and Thucydides.
2. Homer (parts of the Iliad and Odyssey not read in the undergraduate course) and the Lyric Poets.
3. The Attic Orators.

For the degree of Doctor of Philosophy two of the following courses are offered :

4. Any two of the courses offered above for the Master's Degree except the one already pursued for that degree.

5. The Tragic Poets.

6. Plato or Aristotle.

Candidates for these degrees are required to pass a satisfactory examination not only in the authors read, but also (*q*) in Greek Composition; (*b*) in the Grammar and Philosophy of the language; (*c*) in the History of Literature; (*d*) in Greek History and Archeology. They are also required to present a thesis on some subject connected with Greek study.

LATIN.

PROFESSOR DOWNING.

The graduate work in Latin is conducted on the Seminary plan. Each year some one author or branch of Latin Literature is selected. Since this work is varied from year to year, the student has a new field each year. In addition to careful reading and general critical work, a thesis is required each year.

1. Comedy. Selected plays of Plautus and Terence. Special attention will be given to early Latin. 1899-1900.

2. History. Work will be based on selections from Livy and on the Annals of Tacitus.

3. Satire. Its origin and development will be traced. Fragments of Lucilius, Horace, Juvenal.

4. Development of Prose. Special attention given to the oratorical works of Cicero.

ROMANCE LANGUAGES.

PROFESSOR RAMSEY.

French.

The following three courses are offered in French literature, dealing with the three most prominent epochs of its history prior to the Revolution.

1. Francis I (1515-47) and the Renaissance.
2. Henry IV (1589-1610).
3. Louis XIV (1643-1715).

In each of these courses the condition of the country at the period in question is studied (largely from French sources), and the important writers are made the subjects of special investigation, the effort throughout being to correlate details and to seek a general tendency of the literary movement.

4. French Romanticism.

A study of the Romantic movement in France, from its earliest manifestations to the Realist reaction, based upon the treatises of Brunetière, Albert, Pellissier, Gautier, and Meyer.

5. Modern French Syntax and Lexicology.

This course takes up the language at the point where the grammatical text-books leave it. The broader principles of the use and arrangement of words, the expansion and change of their meaning, and the production of new words from material already existing in the language are illustrated by a textual study of the modern masters of French style.

Spanish.

1. Spanish Literature of the Eighteenth Century.

A study of the revival of culture following the War of the Spanish Succession; a general acquaintance with the culmination of Spanish literature in the Golden Era, and the subsequent decline is an implied prerequisite.

2. Spanish Poets of the First Half of the Nineteenth Century.

While this course is made as comprehensive as possible, it naturally centers upon Quintana, Espronceda, Ángel de Saavedra, Zorrilla, and Campoamor.

3. Contemporary Spanish Fiction.

A comparative study of Valera, Pereda, Pérez Galdós, and Palacio Vadés, involving the tenets of modern literary criticism in Spain.

BIBLICAL LITERATURE AND SEMITIC
LANGUAGES.

PROFESSOR POLLARD.

1. Studies in the Hebrew Prophets. Reading, with historical side lights.

2. Hebrew Poetry—its form and contents. Its national and universal features. Readings in the original Hebrew.

3. Investigations in Hebrew History. As guide, McCurdy's "History, Prophecy and the Monuments."

4. Studies in the Apostolic Age. Based upon Ramsay's "The Church in the Roman Empire," and "St. Paul the Traveller and the Roman Citizen."

5. Hebrew. Syntax and selected readings from the Books of Samuel.

6. The Cognate Semitic Languages. Aramaic, Arabic, and Assyrian, as may be required.

7. New Testament Greek. With consideration of Hebraic influence upon the "Common Dialect," and divergence from classic usage. Selected readings from the New Testament and from the Septuagint.

GERMAN AND CONTINENTAL HISTORY.

PROFESSOR SCHÖNEMANN.

1. Literary Awakening in Germany in the time of Frederick the Great: critical study of the literary centers, Leipzig, Zurich, Berlin; the literary revolution and the Illuminati; critical investigation of Klopstock's Odes and Wieland's Oberon.

2. History of the Second Classical "Blüteperiode" to the time of Schiller's and Goethe's intimate friendship (1795); detailed investigation into Lessing's *Literaturtheorie*, *Laokoon* and *Historisch-poetische Dramaturgie*.

3. Literature of the Renaissance in Germany; influence of the Italian and French Renaissance up in the same. (With special reference to Georg Voigt, Janssen, Burckhardt, L. Geiger.)

4. History of the Middle Ages from the time of the evolution of European States to the rise of the Hohenstaufen Emperors. (Selections from the historical sources will be read and interpreted.)

5. The Political Awakening in the Eighteenth Century; Causes of the French Revolution and the Napoleonic Empire.

6. The Annihilation and Reconstruction of Prussia (H. von Treitschke); the building up of the Modern German Empire (H. von Sybel).

The archives of the National Capital will be utilized for purposes of research.

ANCIENT AND CHURCH HISTORY.

PROFESSOR FARQUHAR.

1. Bible History. Frequent references to Oriental and Ancient History.

2. Athens, from Solon to Demosthenes. The leading Greek authors carefully considered, and the relations of Athenian to modern civilization pointed out.

3. Roman History to the fall of the Western Empire. The more prominent Latin authors consulted, and the transition from the ancient to the modern civilization followed.

4. History of Christianity. Study of the development of the Church, and its relation to the general progress of mankind. Frequent references to European history at large.

5. History of History. A study of the progress and phases of ancient and modern historical literature.

AMERICAN AND ENGLISH HISTORY.

PROFESSOR SWISHER.

American History.

1. Era of Exploration and Discovery. Theories respecting early settlements and aboriginal population of the North American Continent based upon Archeology, Ethnology, and Tradition.

2. Colonial History. Social, territorial, and commercial conditions of the English Colonists. Legal and political status of the Colonies as conceived by Parliament, conflicts with the spirit of Independence developed by the environment of the Colonists. Union consummated through rebellion: Independence through revolution.

3. Constitutional History of the United States.

a. The history of the Constitutional principle traced through the early Colonial charters and "the Articles of Confederation" until finally formulated in the Constitution of 1789.

b. Construction of the Constitution developed under party issues from the first administration of Washington through the period of division and reconstruction.

4. The History of American Diplomacy. This course undertakes a careful study from original sources of the more important international controversies to which the United States has been a party, from the diplomacy of the Revolution to the report of the Venezuela Commission under President Cleveland.

5. The Rise and Fall of the Slave Power. Slavery as a factor in Colonial history; impetus given to the system by the Constitution of 1789; period of annexation and conquest; the causes and consequences of the Mexican war.

6. The History of the American people from 1765 to 1895.

English History.

1. English Constitutional History. This course seeks to explain the present working of the English political system from a survey of the whole field of English history. It reviews in detail—

a. Early Saxon institutions as they reappear successively after Norman and Tudor absolutism and finally assert themselves under the later Stuarts.

b. Party government as developed under the Whig oligarchy of the Revolution and during the reign of George III until the final triumph of popular government by the Reform Act of 1831.

2. History of English Foreign Policy. England as a continental power; the Policy of Wolsey as realized under Cromwell and William of Orange; struggle for the balance of power transferred to the seas; England and the Eastern question.

3. England as an Empire. Evolution of the imperial idea; the foundation of the Empire from the Conquest of Jamaica to the Battle of Trafalgar; the Empire as Modified by American History; the Political Situation in Canada, Australia, and South Africa.

4. The English in India. Condition of the peninsula during the Mogul Empire; establishment of British Supremacy; the Presidencies and the Native States; strength and weakness of England's position in the Far East.

5. British History from the Roman settlements to the present time.

6. England during the Nineteenth Century. A more detailed history of the English people from the close of the Napoleonic wars and during the reign of Queen Victoria.

Subjects for individual research and investigation are arranged at the weekly meetings of the seminars of American and English history.

PHILOSOPHY.

PROFESSOR STERRETT.

1. Aristotle's Ethics and Politics.
2. The Ethical Theories of Hobbes, Bentham, Mill, and Spencer.
3. The Ethics of Kant and Hegel's *Rechtsphilosophie*.
4. Kant's Critique of Pure Reason.
5. Ethics of Kant's Critique of the Practical Reason, and Green's Prolegomena to Ethics.
6. Kant's Critique of the Practical Reason, and Critique of the Judgment.
7. Hegel's *Logik* and *Philosophie des Geistes*.
8. The Philosophy of Religion: Hegel and Pfleiderer.
9. Philosophy of History.
10. The History of Philosophy.

Other desired courses in Ethics and Philosophy may be arranged for with the Professor.

PROFESSOR HARRIS.

Dr. Harris will coöperate with Dr. Sterrett in carrying out additional courses in connection with Courses 9 and 10.

POLITICAL PHILOSOPHY.

PROFESSOR LODGE.

1. A comparative study of the political institutions of France, England, and the United States, based upon Guizot, Taine, Freeman, May, Stubbs, Boutmy, Dicey, Gneist, De Tocqueville, Bryce, C. E. Stevens, Burgess, and Maine.

2. A course in International Law ; its genetic idea, its history ; its present status, and the specific contributions made by the Government of the United States to the improvement of the law of nations. The work is based upon Wheaton, Calvo, Gallandet, Lawrence, Hall, Rivier, and Maine, as well as on the material furnished by the archives of the Department of State.

3. Courses in Political Economy, dealing with the problems of socialism, cooperation, and distribution, based upon the chief French, English, Italian, and German authorities.

4. A course on the Theory of the State, being elaborate studies in fundamental political philosophy, with critical examination of the history of speculation upon this subject from Aristotle to Bluntschli.

5. The Economic Interpretation of History.

ECONOMICS.

PROFESSOR CRAVEN.

1. The Principles of Public Finance. The treatment is historical, theoretical, and statistical. Special attention is given to modern systems of expenditure and taxation.

2. Political Science. An historical study of the forms and theories of government, and a comparison of ancient, mediæval, and modern codes, with special reference to their economic effects.

3. Advanced Political Economy. A study of the science and of the theories of Economic Society, of Political Progress, and of Practical Economic Problems.

MATHEMATICS.

PROFESSOR GORE.

1. Higher Plane Curves, Modern Higher Algebra.
2. Mathematical Reading. Carr's Synopsis of Pure Mathematics; Lisska's Mathematische Formeln-Sammlung; Gore's Factors and Formulas.
3. Advanced Integral Calculus: Theory of Equations.
4. Functions. General Theory of Functions, Harkness and Morley; Abelian Functions, Briot, Théorie des Fonctions Abéliennes.

PROFESSOR HODGKINS.

5. Differential Equations.

Students in this course meet with the class in Differential Equations in the Scientific School (two hours a week), studying there Johnson's Differential Equations. This is supplemented by lectures and by the study of Forsyth's Differential Equations (two hours a week).

6. Determinants.

The first part of the year is given to the mastery of some elementary book on Determinants, such as that by Wed. This is followed by a study of Scott's Theory of Determinants and of Muir's Theory of Determinants in the Historical Order of its Development.

APPLIED MATHEMATICS.

ASSISTANT PROFESSOR USINA.

1. Geometry of Position, developed by projective methods, based on the works of von Staudt, Moebius, Steiner, Poncelet, etc.
2. Graphic Statics. This science may be studied with either of two objects in view:
 - (a.) As a part of Applied Mechanics.

b. As a part of Analytical Mechanics, based on geometry of position.

3. Investigations in analytical and applied mechanics, hydrodynamics, hydraulics, pneumatics, and strength of materials, based on the works of Weisbach, Church, Ritter, Rankine, Bresse, etc.

4. Analytic Mechanics: Minchin, Price, Lagrange, Jacobi, Hamilton.

5. Spherical Harmonics and allied functions, with applications to mathematical physics: Todhunter, Ferrers, Thomson and Tait, Maxwell, Rayleigh, Heine.

6. Hydrodynamics and Tides: Lamb, Lagrange, Laplace, Airy, Thomson, Ferrel, Darwin.

SOLAR PHYSICS.

PROFESSOR BIGELOW.

Graduate studies in Solar Physics in its relation to Meteorology.

1. Solar Magnetism. The constitution of the sun, the solar corona, the sun-spots and allied problems in solar physics, giving the grounds for the recent development of the theory that the sun is a polarized sphere surrounded by a magnetic field, which is the basis of these phenomena.

2. Cosmical Electricity and Magnetism. The two fields of force emanating from the sun, their mode of propagation through the ether, the theory of magnetic and electro-magnetic fields as applied to the theories of light, heat, and ether wave-motions. Authors: Maxwell, Poincaré, Fleming, Watson, and Burbury, with references to the recent literature in scientific journals.

3. Terrestrial Magnetism. The distribution of the permanent magnetism of the earth, its disturbance by the solar fields, magnetic instruments, observatories and methods of observation, magnetic storms, the aurora, and atmospheric electricity, with a history of the progress of the science of each portion. Authors:

Gauss, Lloyd, Walker, Stewart, and Gee, the reports of observatories and recent scientific papers.

4. **Meteorology.** The thermodynamic theory of the distribution of the atmosphere, the motions of the same, the periodic variations due to the solar fields, and the long-range predictions of the weather. A statement will be made of the latest progress in the development of this branch of physics, together with the allied questions of atmospheric absorption and transmission of energy, including important contributions of physical laboratories bearing on these subjects.

ASTRONOMY.

PROFESSOR FRISVOLD.

A general knowledge of Descriptive Geometry and of Analytic Mechanics being presupposed, the University offers in this department for the degree of Doctor of Philosophy a reading course in the determination of orbits (with special practice in computing), under the following heads.

1. The theory of Computing the Parabolic Orbit of a Comet from Three Observations, with an ephemeris. Encke's Memoir on Olbers' Method, *Abhandlungen, Erster Band*. Books of reference: Watson's *Astronomy*, Oppolzer's *Bahnbestimmung der Cometen und Planeten*.

2. The Theory of Computing an Elliptical Orbit, or any Conic Section, from Three or Four Observations. Gauss' *Theoria Motus*. Books of reference, as above.

3. An Outline of the Method of Least Squares. Encke, Chauvenet, Brünnow, Watson, Johnson.

4. The Theory of Special Perturbations, with Method of Integrating by Mechanical Quadratures. Encke: *Abhandlungen, Zweiter Band und Dritter Band*. Books of reference, as above. The method of the variation of the six elements will be first taught. The other methods of Hansen and of rectangular coordinates will follow if needed.

5. The Theory of General Perturbations. Tisserand, *Mécanique Céleste*. An abstract should here be made for the

initiation of the student into this subject. Books of reference: Laplace, *Mécanique Céleste*; Lagrange, *Mécanique Analytique*, and *Memoirs*; Leverrier, *Annals of the Paris Observatory*; Hansen, *Auseinandersetzung*; Pontécoulant, *Système du Monde*, etc.

6. General Spherical Astronomy. Chauvenet's or Brünnow's Spherical Astronomy.

PROFESSOR RICE.

1. On the construction and use of the American Ephemeris and Nautical Almanac. Embracing a complete discussion, both theoretical and practical, of all the important elements and data contained in this fundamental work. A practical course for computers.

2. Spherical and Mathematical Astronomy. A more general course than the preceding, covering the most important of the subjects discussed in Chauvenet's or Brünnow's works on Spherical and Practical Astronomy, and including such portions of Theoretical Astronomy (such as Watson's) as are not especially concerned with the determination of orbits.

3. On the Theory and Practice of Interpolation. A special course, including a full discussion of the properties of differences, the various formulæ and methods of interpolation, tabular differentiation, and mechanical quadrature; also other important problems concerned with the tabular values of functions, for those desiring a special acquaintance with this fundamental and important subject.

4. A reading course in the History of Astronomy. Such works as Grant's *History of Physical Astronomy*, Clerke's *History of Astronomy during the Nineteenth Century*, etc., will be used as texts.

ASTRO-PHYSICS.

The University is authorized to announce that one or two students, if possessing special qualifications and prepared by their training to engage in astro-physical research, may be received into the Astro-Physical Observatory connected with the Smithsonian Institution. They will be chiefly employed upon investigations in radiant energy.

CHEMISTRY.

PROFESSOR MUNROE.

Courses of graduate study in Chemistry are offered to students according to their previous training and special aptitudes. Among the courses projected are certain researches upon explosive substances; analytical methods; the phenomena of deliquescence and efflorescence.

PROFESSOR CLARKE.

Professor Clarke offers to properly equipped students a course of research work in the development of his theory of the constitution of the natural silicates, and also courses in the redetermination of atomic weights.

PROFESSOR WILEY.

Professor Wiley directs special researches in Agricultural Chemistry, provided that students properly trained in the elements of that science shall present themselves for advanced work.

PROFESSOR DE SCHWEINITZ.

Professor de Schweinitz offers a course in Bio-Chemistry. This course embraces, in addition to what is ordinarily called physiological chemistry—

1. A study of the products of the growth of germs either in the animal body or upon artificial media.
2. The influence of these substances in causing disease and their relation to immunity.
3. The anti-toxins and methods of their preparation.

ZOOLOGY.

PROFESSOR GILL.

A general course of lectures is given on the Principles of Zoölogy, including a consideration of the philosophy, the methods of investigation, and the systems of zoölogy as determined by comparative anatomy.

The lectures are supplemented by work in the laboratory, embracing histology, microtomy, and dissection.

ANTHROPOLOGY.

DR. MASON.

Candidates for degrees in this department are expected to know as much of mineralogy, geology, geography, botany, zoölogy, chemistry, and history as is taught in colleges. Some familiarity with the classical languages is very desirable, and French and German are absolutely essential. Students should have a knowledge of anatomy and physiology. They should also have pursued a course in psychology, with especial reference to the study of physiology.

The special studies of the department comprise the following courses:

1. Study of the races of man.
2. The history of culture (*Culturgeschichte*) as embodied in the languages, industries, art, social life, philosophy, and mythology of the various peoples of the earth.
3. The history of the past as revealed in the sciences of archaeology and folk-lore.

The works of Topinard, Ladd, Brinton, Peschel, Muller, Haeckel, Hovelacque, Keane, Tylor, Spencer, Morgan, Evans, Gomme, Ratzel, and Lang are used as text, with readings in the journals of the Anthropological societies.

COMPARATIVE OSTEOLOGY AND ARTISTIC ANATOMY.

PROFESSOR SHUTE.

The special studies in this department comprise the following courses:

1. A brief exposition of the principles of the Evolution of Organic Forms generally; the Vertebrate Form and its Variations, with especial attention to Homologies; the Human Form and its Variations (as affected by occupation, age, sex, disease).

2. Such thoroughness in the descriptions of the several Bones, Joints, and Muscles, and such study of the Superficies of the Living Model as will enable the artist to understand the Statics and Kinetics of the Human Body; Methods of Studying the Proportions of the Human Body, etc.

METEOROLOGY.

PROFESSOR ABBE.

ASSOCIATE PROFESSOR MARVIN.

Advanced studies in Meteorology are prosecuted under the three following subdivisions:

I.—*Experimental Laboratory Work in Meteorology.*

In this field of work the student investigates the theories of several meteorological instruments and pushes his study to some decided advance beyond the present state of knowledge. New apparatus is devised and constructed and the nature of its errors investigated theoretically and experimentally. Old series of observations, conducted with imperfect apparatus and under unfavorable conditions, are reduced and corrected in the light of the newest discussions. The laws of such physical phenomena as have to be considered by meteorologists are investigated by laboratory methods; among these, for example, are radiation, conduction and convection of heat, evaporation; the formation of dew, fog, cloud, rain, snow, hail, and lightning; the minute

oscillations of wind and pressure; the pressure and movements of the wind; the absorption of radiations from the sun or earth by the atmosphere; the viscosity of the air, convective resistances, etc.

II. *Practical Meteorology.*

1. Daily weather charts of all nations.
2. International charts of the Northern Hemisphere.
3. Methods of projection in cartography.
4. Influence of land and ocean on weather and climate.
5. Empirical rules as to the variability and constancy of weather and climate in general, and computations of the index of variability of climate by the laws of errors.
6. Weather types and typical weather charts, both for the United States and for the whole globe.
7. Predictions of daily weather by various methods, such as chance, persistency of current conditions, and weather types.
8. Special rules for predicting frost, cold waves, rain, snow, wind.
9. Predictions for one, two, and three days.
10. Long-range predictions for seasons and climates.
11. Precise definition of climate by Hinrich's method, and long-range predictions of Hinrich's climatic exponent.
12. Climates in past geological ages.
13. Codification of empiric and rational rules for prediction.
14. Verification of predictions and the laws of chance involved therein.

III.—*Physical and Theoretical Meteorology.*

1. Isolation.
2. The absorption, conduction, and radiation of heat by the air, the earth, and the ocean, and the resulting distribution of temperature.

3. The thermodynamics of the atmosphere.
4. Convective equilibrium.
5. The general circulation of a dry atmosphere on a rotating globe.
6. The influence of oceans and continents, and the motions of the actual atmosphere.
7. Local cyclones and anticyclones.
8. Atmospheric waves and tides.
9. The distribution of fog, cloud, rain, and snow.
10. Optical and electrical phenomena.

BOTANY.

PROFESSOR SCHENKER.

1. Advanced systematic study of the various groups and families of plants.
2. Plant histology and special morphology.
3. Plant distribution and economic plants.

GEOLOGY.

PROFESSOR MERRILL.

This department offers a course of advanced study in Physical Geology, both systematic and applied.

During the first year the student may devote his time largely, if necessary, to perfecting himself in methods, to general work in the laboratory and in the field; to the examination of geological materials, and to familiarizing himself with the literature of the subject. The utility of the various text books is recognized, but a very large portion of the desired knowledge on any subject must be gained from special memoirs and from the current literature as it appears in numerous periodicals. The various sources of information, the most essential lines of work, as

well as the most promising fields of investigation are from time to time indicated by the instructor.

During the second year the student is expected to devote himself to some special investigation which shall serve as the subject of his thesis. Upon the thoroughness with which this subject is handled, the accuracy of observation, and the originality manifested must depend in largest measure his qualification for the desired degree. The course is modified to suit individual cases in order that the student may be restricted as little as possible in the exercise of personal taste, originality, and capacity for work.

CIVIL ENGINEERING

PROFESSOR FREYHOLD.

1. Advanced course in the Graphic Statics of Building Construction.
2. The theory of suspension, continuous, cantilever, and braced arch bridges, with a more complete course in the design of plate girders, riveted and pin-connected bridges, with working drawings and estimates.
3. Advanced course in Construction—the theory and designing of retaining walls, masonry arches, and dams.
4. A thesis the subject of which is to be selected by the student with the approval of the professor of Civil Engineering.

MECHANICAL ENGINEERING.

PROFESSOR AYRES.

For the degree of Mechanical Engineer.

1. Thermodynamics and its Application to Hot Air, Gas, and Steam-engines.
2. Steam-engines and Boilers: their Design, Construction, and Management: Theory and Practice.
3. Design and Construction of Special Machinery: Machine Tools; Hydraulic Machinery; Gas Engines, etc.; Theory and Practice.

4. Design and Construction of Power Plants; Theory and Practice.

5. Engineering Laboratory. Efficiency tests of Engines, Boilers, Pumps, Hydraulic Machinery, etc. Hurn's Analysis.

6. Thesis. This embraces the complete solution and report on some practical engineering problem, which is presented to the candidate as to a practicing engineer. It may be a design or a report on a series of tests or investigations.

In addition to the above, the candidate is required to take Mathematics, 7; Least Squares and Civil Engineering, 11; Construction of Plants and Buildings in the Concordia Scientific School.

For those who are not prepared to take the degree of M. E., the following courses are offered, leading to an advanced degree:

7. Thermodynamics. A critical study of Regnault's experiments, the Carnot cycle, and entropy-temperature diagrams, with references to the works of Clausius, Zenner, Rankine, Thompson, and other classical writers on the subject.

8. Analytical Theory of Heat: Fourier, Clausius, Thompson, and others.

ELECTRICAL ENGINEERING.

PROCES OF WORK.

Students having obtained the degree of Bachelor of Science in Electrical Engineering (Course III) or its equivalent may receive the degree of Electrical Engineer upon satisfactorily completing a course of one year, embracing the following studies:

1. Advanced Laboratory work
2. Design of Dynamo-electric Machinery
3. Transmission of Electrical Energy.
4. A course of reading of engineering and electrical journals and weekly meetings for the discussion of engineering and electrical subjects.

5. Thesis work, embracing the complete project of an electrical plant for some municipal or industrial purpose, or some special research in applied electricity.

Students are recommended to take also Mechanical Engineering, Advanced Physics, Higher Mathematics, German, French, and Chemistry.

ARCHITECTURE.

PROFESSOR HORNLOWER.

PROFESSOR AMATEIS.

Classical styles; Interior architecture and decoration; Construction of buildings.

The thesis must embody the results of the complete study of a structure of elaborate and ornamental character.

BIBLIOGRAPHY AND BIBLIOLOGY.

PROFESSOR —.

The Professor exercises a general supervision over the bibliographic work done in this department and advises students as to the best methods of work and the accepted methods of presentation of results. Unusual opportunities are afforded students in this subject in the meetings of the Washington Library Association, which are held at stated intervals at The Columbia University.

DOCTORATE DISPUTATION.

The defence of the theses required of candidates for the degree of Doctor of Philosophy was held publicly in the Hall of the University, May 23, 1898. The candidate who successfully defended his thesis, the title of thesis, and the members of the board attacking the thesis were as follows:

Candidate: Cabell Whitehead, B. M., M. S.

Thesis: Study of the Methods of Formation and Properties of the Tellurides.

Experts: George F. Becker, Ph. D.; David K. Tuttle, Ph. D.; W. D. Bigelow, Ph. D.

ADMITTED IN ATTENDANCE.

NAME.	TITLE.	RESIDENCE.	ADDRESS.
George Washington Cameron B. S., 1898, Maryland Agricultural College.	Chemistry	Maryland	College Park, Md.
Edward Mackay Chase	Agricultural Chemistry	Maryland	Berwyn, Md.
George Albert Ross B. A., 1896, William Jewell College, M. A., 1898, Columbian University.	Mathematics, pure and applied.	Missouri	461 Florida Avenue.
Frank Owen Stetson B. S., 1888, Massachusetts Institute of Technology.	Agricultural Chemistry	District of Columbia	1802 R Street, N. W.
Louise Tachler B. A., 1896, Wellesley College, M. S., 1898, Columbian University.	Physics	Ohio	1411 Hopkins St., N. W.
Fletcher Peaine Vietch B. S., 1891, Maryland Agricultural College, M. S., 1898, Columbian University.	Agricultural Chemistry	Maryland	College Park, Md.

FOR THE DEGREE OF CIVIL ENGINEER.

NAME.	RESIDENCE.	ADDRESS.
Richard George Doerfling	District of Columbia	45 Quincy Street, N. E.
B. S., 1898, Columbian University.		
Thomas Miller Fendall	Virginia	1729 P Street, N. W.
B. S., 1897, Virginia Military Institute.		
William Mather Lamson	District of Columbia	Anacostia, D. C.
B. S., 1897, Columbian University.		

FOR THE DEGREE OF ELECTRICAL ENGINEER.

NAME.	RESIDENCE.	ADDRESS.
Robert Francis Partner	District of Columbia	1104 Vermont Avenue.

FOR THE DEGREE OF MECHANICAL ENGINEER.

NAME.	RESIDENCE.	ADDRESS.
Edward Adams Muir	Pennsylvania	Ordnance Office, Washington Navy Yard.
B. S., 1897, Columbian University.		

FOR THE DEGREE OF MASTER OF SCIENCE

NAME.	TITLE.	RESIDENCE.	ADDRESS.
Harry Wallace Bowen..... B. S., 1893, Worcester Polytechnic Institute.	Electricity.....	Massachusetts.....	Room 87, Patent Office.
Aida Mary Doyle..... B. S., 1898, Columbian University.	Chemistry.....	Pennsylvania.....	1902 3d Street.
Burton Haines Esterly..... B. S., 1897, University of Wisconsin.	Anatomy of the Brain.....	Wisconsin.....	1115 E. Capitol Street.
Fred Craig Jones..... B. S., 1897, Columbian University.	Chemistry.....	District of Columbia.....	946 F Street, N. W.
Anna Sarah Hazelton..... B. S., 1892, Columbian University.	Mathematics.....	District of Columbia.....	1215 9th Street, N. W.
Eleanor Annie Lamson..... B. S., 1897, Columbian University.	Astronomy.....	District of Columbia.....	Anacostia, D. C.
Marcus Ward Lyon, Jr..... Ph. B., 1897, Brown University.	Zoölogy.....	New Jersey.....	Smithsonian Institution, National Museum.

FOR THE DEGREE OF MASTER OF SCIENCE.

NAME.	TITLE.	RESIDENCE.	ADDRESS.
Thomas Herbert Means, B. S., 1898, Columbian University.	Geology.	District of Columbia.	Brookland, D. C.
Henry Orth, Jr. M. E., 1893, Lehigh University.	Physics.	District of Columbia.	1011 L Street, N. W.
Jesse Pawling, Jr. B. A., 1888, Philadelphia High School; B. S., 1893, Cornell University; M. A., 1895, Philadelphia High School.	Astronomy.	Pennsylvania.	U. S. Coast and Geodetic Survey.
William Skinner B. S., 1895, Maryland Agricultural College.	Agricultural Chemistry.	Maryland.	College Park, Md.
Christian George Storm, B. S., 1898, Columbian University.	Chemistry.	Wisconsin.	9 K Street, N. E.
Clara Mary Upton B. A., 1897, Columbian University.	Astronomy.	District of Columbia.	406 Spruce St., N. W.
Edward Warren Vaill, Jr. B. S., 1895, 1894, Worcester Polytechnic Institute.	Mathematical Physics.	Massachusetts.	Patent Office.
George Koch Woodworth, M. E., 1890, Cornell University.	Physics.	District of Columbia.	1424 K Street, N. W.

FOR THE DEGREE OF MASTER OF ARTS.

NAME.	TITLE.	RESIDENCE.	ADDRESS.
Benjamin Lucius Ansell..... Washington and Lee University.	Ancient and Church His- tory, 4.	Virginia.....	Theological Seminary, Virginia.
Nella Ellery Bealin..... B. A., 1894, Smith College	Political Science.....	New York.....	23 B Street, S. E.
Christabel Forsythe Fiske..... Ph. B., 1898, Cornell University.	English.....	District of Columbia.....	1333 Q Street, N. W.
John Lawson Hargrove..... B. S., 1896; B. A., 1897, Oglethorpe College	Economics.....	Arkansas.....	1112 H Street, N. W.
Ada Mary Catherine Hartzell..... B. A., M. E. L., 1883, Dickinson Seminary.	English, 1.....	Pennsylvania.....	Forest Glen, Md.
Robert Stockwell Hatchler..... 1879, Dresden Gymnasium; 1881, Lycee-de l'Ecluse, Paris.	American History.....	Indiana.....	1140 Connecticut Ave.
Frances Mabel Jacobs..... B. A., 1898, Columbian Univer- sity.	Romance Languages.....	District of Columbia.....	1327 11th Street, N. W.

FOR THE DEGREE OF MASTER OF ARTS.

NAME	TOPIC	RESIDENCE	ADDRESS
Hannah May Johnson, B. A., 1896, Columbian University.	Ancient and Church History.	District of Columbia.	5 Grant Place.
Caleb Clark Magruder, Jr. B. A., 1889; M. A., 1898, Loyola College; L.L. B., 1897, Georgetown University.	English	Maryland	Treasury Department.
Ernest Pendleton Magruder B. A., 1895, Johns Hopkins University.	English.....	Maryland	Collington, Prince George County, Md.
Cameron Farquhar McRae, 1893, Virginia Military Institute.	Ancient and Church History, I.	Virginia	Theological Seminary, Virginia
John Tuffon Minnick, B. A., 1893, University of Indianapolis.	American History	Indiana.....	1229 11th Street, N. W.
Ben Wilton March B. A., 1882; M. A., 1885, Bates College.	Economics	Maine	Force School, Massachusetts Avenue
Rose Amelia Palmer, B. A., 1896, Vassar College.	Chemistry.....	District of Columbia.	1408 31st St., N. W.

- Charles Kilbourne Robinson. English History, I. New Jersey 1607 S Street, N. W.
B. S., 1897, Columbian University.
- Evander Melver Sweet, Jr. English. Texas. 811 K Street, N. W.
B. A., 1896, Southwestern University.
- Lila Taylor. Mathematics District of Columbia. 1411 Hopkins Street
B. S., 1893, Wellesley College.
- William James Wallis. Mathematics, 3 and 5 District of Columbia. 1435 Chapin Street
B. A., 1894, Dartmouth College.
- Jacob Morton White. Biblical Literature. Virginia Theological Seminary,
B. A., 1897, William and Mary College. Virginia.

FOR THE DEGREE OF DOCTOR OF PHILOSOPHY.

NAME.	TITLE.	RESIDENCE.	ADDRESS.
Eugene Byrnes, B. A., 1884, Michigan University; LL. B., 1887; LL. M., 1888, Columbian University.	Major: Physical Chemistry; Minors: Electricity, Chemistry.	New York,	Room 149, U. S. Patent Office.
Victor King Chastant, B. S., 1890, University of California.	Major: Plant Chemistry; Minors: Organic Chemistry, Botany.	California,	1104 P Street, N. W.
Frank Loughton Day,	Major: Biblical Literature; Minors: Sociology, Ancient and Church History.	Maryland,	Pikesville, Maryland.
Major Dorset, B. S., 1893, University of Tennessee; M. D., 1896, Columbian University.	Major: Biochemistry; Minors: Pathology, Bacteriology.	Tennessee,	1126 New York Avenue, N. W.
Rev. Benjamin Alfred Dumm,	Major: Philosophy; Minors: Psychology, History of Philosophy.	Md., Maryland,	413 P Street.
Charles Russell Ely, B. A., 1891; M. A., 1897, Yale; M. A., 1892, Goddard.	Major: Chemistry; Minors: Botany and Mineralogy.	.....	622 Florida Ave., N. E.

- Ernestine Fienman, Major, Chemistry, Or Hungarian, 229 R Street, N. E.
M. S., 1898, Columbian University.
Minors: Mathematics, Botany.
- Perival Hall,
B. A., 1892, Harvard College,
M. A., 1894, Goddard College;
M. A., 1898, Columbian University.
Major: Pure Mathematics; District of Columbia, Goddard College, D. C.
Minors: Applied Mathematics, Astronomy.
- William Hamilton,
B. A., 1891, Moravian College,
Pa. M. A., 1894, Columbian University.
Major: English History; Pennsylvania, Bureau of Education.
Minors: American History; Economics.
- Albert Mayer Heller,
B. D., 1890, Divinity School, Minn.
Course III, School of Minnesota, 250 12th Street, S. W.
- Edwin Rufus Lewis,
B. A., 1891, M. A., 1894, Amherst College, M. D., 1897, Harvard College, 1871, Union Theological Seminary.
Major: Biblical Literature; District of Columbia, 1627 N Street.
Minors: Philosophy, 6, 7, Ancient and Church History, I.
- Stephen Cookman Miller,
M. D., 1881, M. S., 1898, Columbian University; Phil D., 1888, Howard University.
Major: Mineral Chemistry; Minnesota, 1924 New York Avenue, N. W.
Minors: Organic Chemistry; Pedagogy.

FOR THE DEGREE OF DOCTOR OF PHILOSOPHY.

NAME	TITLE	RESIDENCE	ADDRESS
Joseph Strayer Mills, B. A., 1890; M. A., 1893, Western Maryland College.	Major: Chemistry, Minerals; Metallurgy; Physics	Maryland	Central High School.
Charles Moore, B. A., 1878, Harvard College; M. A., 1898, Columbian University.	Major: American History, Minors, English History, Economics.	Michigan	Senate Post Office.
Henry Orth, Jr. M. E., 1893, Lough University.	Major: Physical Chemistry; Minors, Organic Chemistry, Physics.	District of Columbia	1011 F Street, N. W.
George Edward Patrick, B. S., 1873, M. S., 1874, Cornell University.	Major: Agricultural Chemistry, Minors, Biochemistry, Entomology.	Iowa	Division of Chemistry, Department of Agriculture
Warren Waverley Phelan B. A., 1894, M. A., 1896, Columbian University.	Major: Comparative Jurisprudence, Minors, German and Continental History, Political Philosophy.	New York	822 Connecticut Ave.

- Edward George Partner Major Organic Chemistry, Minors: Mineral Chemistry; Biochemistry.
B. S., 1897; M. S., 1898, Columbian University. 1104 Vermont Avenue.
- Henry Rogers Pyne Major: Greek; Minors: Latin; French.
B. A., 1893; M. A., 1894, Columbian University. 1702 K Street, N. W.
- Fred Ferguson Reiser Major: Physics; Minors: Mathematics, Physical Chemistry.
B. S., 1897; E. E., 1898, Columbian University. 525 T Street, N. W.
- John Merriam Reynolds Major: Theories of the State; Minors: History of the Holy Roman Empire; Comparative Study of the Political Institutions of France, England, and the United States.
M. A., 1895, Columbian University. 1309 Connecticut Ave.
- Alexander Summers Major: Political Philosophy; Minors: Philosophy; S; Comparative Politics.
B. A., 1876; M. A., 1893, University of Tennessee. Bureau of Education.
- Ernest Lawton Thurston Major: Graphic Statics; Minors: Higher Calculus and Differential Equations.
C. E., 1893, Columbian University. 1503 R Street, N. W.

FOR THE DEGREE OF DOCTOR OF PHILOSOPHY.

NAME.	TOPIC.	RESIDENT.	ADDRESS.
Thomas Albert Williams, ... B. S., 1889, M. A., 1891, Uni- versity of Nebraska	Major, Panoragamic Bot- any; Mammals, Crypto- gamie Botany; Geology.	Nebraska...	Takoma Park, D. C.
Thomas Alfred Witherspoon, ... M. S., 1897, LL. B., 1899, Col- umbian University, 1883, U. S. Naval Academy.	Major, Chemistry; Ma- mms; Physical Chem- istry; Electricity.	Tennessee...	U. S. Patent Office.

Total 70

THE LAW SCHOOL.

THE FACULTY.

BENJAMIN L. WHITMAN, D. D.,
President.

Hon. WALTER S. COX, LL. D., DEAN
(Associate Justice of the Supreme Court of the District of
Columbia,
Professor of the Law of Real Property and Contracts.

Hon. JOHN M. HARLAN, LL. D.
(Associate Justice of the Supreme Court of the United States),
Professor of Constitutional Law, Domestic Relations,
Torts, and Personal Property.

Hon. DAVID J. BREWER, LL. D.
(Associate Justice of the Supreme Court of the United States),
Professor of the Law of Corporations and
Equity Jurisprudence.

Hon. WILLIAM A. MAURY, LL. D.
(Sometime Assistant Attorney General of the United States),
Professor of Common Law Pleading, Evidence, and the
Jurisdiction and Practice of the Federal Courts.

Hon. ANDREW C. BRADBURY, LL. B.
Associate Justice of the Supreme Court of the District of
Columbia,
Professor of Commercial Paper and Criminal Law.

WILLIAM G. JOHNSON, LL. M.
(of the Washington Bar),
Professor of Common Law Practice.

THE COLUMBIAN UNIVERSITY.

LEE DAVIS LODGE, PH. D.,
Professor of Sociology and Politics.

MELVILLE CHURCH, LL. M.,
Professor of the Law of Patents.

WILLIAM F. MATTINGLY, A. M.,
(of the Washington Bar),
Professor of Practical Commercial Law.

CHARLES W. NEEDHAM, LL. M.,
(of the Washington Bar),
Professor of the History of Law, Trusts, and Trades Unions,
and in charge of the Moot-Court Work.

WALTER C. CLEPHANE, LL. M.,

FRANCIS H. STEVENS, LL. M.,

Instructors in Moot-Court Work.

EDWIN C. BRANDENBURG, LL. M.,
Instructor in Procedure in Bankruptcy.

COURT OF APPEALS.

WILLIAM F. MATTINGLY, *Chief Justice.*

ANDREW B. DUVALL, } *Associate Justices.*
CHARLES W. NEEDHAM, }

CHARLES RAY DEAN, LL. B.,
Secretary of the Schools of Law.

This school was established in 1865, and is the oldest law school in Washington. Men occupying the highest positions in the profession are in its faculty, personal contact with whom is a source of inspiration to every student.

LAW LECTURE HALL.

The University has just completed and is now occupying a new building, known as Law Lecture Hall, devoted exclusively to its "Schools of Law and Diplomacy." It adjoins University Hall, corner Fifteenth and H streets, and is only two blocks from the Executive Mansion. This new building contains three commodious lecture halls, two moot-court rooms, a large and well lighted library-room, and administrative offices. The building is lighted by electricity, handsomely furnished, and well equipped and adapted to the work for which it is designed.

ADMISSION.

The applicant for admission is required to furnish evidence of having received an education fitting him for the study of law. Application blanks will be furnished by the Secretary.

The regular course of study embraces three years. There is also a special course of one year in Patent Law.

A student may be admitted to advanced standing upon furnishing evidence satisfactory to the Dean that he has spent the necessary time and performed the necessary study, whether in another law school or under the direction of a practicing lawyer; but in all such cases he will be required to produce a certificate of the fact or sustain an examination on all the subjects for which he asks credit.

The annual session begins on the first Monday in October, and continues until the Wednesday nearest the first day of June following.

The exercises of the department begin at six o'clock p. m. every week day except Saturday.

The register will be opened for the enrolment of students on the first day of September.

The University increased the regular course of study for candidates for the degree of Bachelor of Laws to three years in October, 1898. The work has been largely increased with a view of giving students that thorough knowledge of the general rules of law and practice which will fit them for the Bar of any State. The course will give the general sources of law, the law

upon the great subjects of jurisprudence, and the practical side of legal education. Professors will conduct the study of each subject by lectures, required courses of reading, and class discussions and conferences. The study of special cases upon the various subjects treated and the Moot Court work have been largely increased, thus bringing before the student the modern applications of law by the courts of the country.

Special instruction and practical work are given the students in the preparation of Contracts, Wills, and in the organization of Corporations. This work is carefully examined and returned to the student, with suggestions by the instructors in charge of the work.

There will be ten hours of class room work in each year of the course.

COURSES OF INSTRUCTION.

First Year.

After preliminary lectures on the study of law, the courses are as follows:

HISTORY OF AMERICAN AND ENGLISH LAW.—Professor Needham.

DOMESTIC RELATIONS.—Professor Harlan. "*Reardon on Domestic Relations*" and special leading cases.

PERSONAL PROPERTY.—Professor Harlan. "*Smith on Personal Property*" and special leading cases.

TORTS.—Professor Harlan. "*Pollock on Torts*" and special cases.

REAL PROPERTY.—Professor Cox. "*Blackstone, Kent, or Treatise on Real Property*."

CONTRACTS.—Professor Cox. "*Parsons on Contracts*."

COMMERCIAL PAPER.—Professor Bradley.

First year's instruction will be carried on by topical lectures, supplemented by carefully arranged courses of reading and the study of selected cases which state and illustrate the law. There will be class discussions upon the lectures, and free questioning by students is encouraged. Quiz classes may be formed, and every facility will be afforded the student to aid him in a thorough understanding of the subjects studied.

Second Year.

COMMON LAW PLEADING.—Professor MURPHY. "*Stephen on Pleading*" (Tyler).

EVIDENCE.—Professor MURPHY. "*Greenleaf on Evidence*" and special cases.

EQUITY JURISPRUDENCE.—Professor BREWER. *Pomeroy, Adams, or Story*.

CONSTITUTIONAL LAW.—Professor HATHORN. *Story*.

CORPORATIONS.—Professor BREWER. *Morison, Clark, or Indian*.

REAL PROPERTY.—Professor COX. *Blackstone, Kent, or Tiedeman*.

CONTRACTS.—Professor COX. "*Parsons on Contracts*" and special cases.

ORGANIZATION OF TRUSTS AND TRADES UNIONS.—Professor NEEDHAM.

Special courses of reading in text books and selected cases will be assigned by the professors, and cases will be used in the lectures to illustrate the subject under consideration. Practical work in the preparation of contracts and written obligations of various kinds will be given to students by the professors, and this work carefully examined. The second year students will be divided into sections, and there will be discussions and papers upon the subjects gone over in the first and second years' study.

Third Year.

CRIMINAL LAW AND PROCEDURE.—Professor BRADLEY. *Bishop*.

COMMON LAW PRACTICE.—Professor JOHNSON. "*Cox's Common Law Practice*" and selected cases.

COMMON LAW PLEADING.—Professor MURPHY. "*Stephen on Pleading*" (Tyler).

EQUITY PLEADING AND PRACTICE.—Professor VAN DEVENTER (of the School of Comparative Jurisprudence and Diplomacy). "*Shapman on Equity Pleading*" and special cases.

PRACTICAL COMMERCIAL LAW.—Professor MATTINGLY.

SOCIOLOGY AND POLITICS.—Professor LODGE.

MOORE COURTS.—Professors NEEDHAM, CLEPHANE, and STEVENS.

The third year course will also be carried on by special lectures and the study of selected cases; special courses of reading will be assigned, and each student in the third year will take part in the preparation of cases in the Moot Courts, law and equity, upon such a statement of facts as a client would give to a lawyer in active practice, the cases to be carried through from the commencement of the action to a final hearing, according to rules of procedure prepared by the professor in charge of the Moot Courts; cases may be taken by appeal to the Appellate Moot Court, thus giving the student practice and drill in determining what actions will lie upon a given state of facts, what defences may be interposed, and the various steps in the conduct of cases in court. These courts will be presided over by professors and lawyers from the Washington Bar.

PATENT LAW COURSE.

A special course in Patent Law and Patent Law Practice will be conducted by Professor Church, giving thorough preparation to those who contemplate entering that department of jurisprudence. This course covers a period of eight months, with two lectures or sessions of the Moot Court each week. The degree of Master of Patent Laws will be conferred upon those who pass satisfactory examinations at the close of the term. Only graduates in law or members of the bar are eligible to the degree, but any person qualified to profit by the instruction offered will be admitted to the course.

EXAMINATIONS.

Written examinations will be required upon each subject specified in the courses and will be conducted at the conclusion of each subject. At the close of the third year a general review and examination may be had. The standing of the student upon the several examinations and the regularity of his attendance upon the course will determine his right to the degree.

DEGREE OF BACHELOR OF LAWS.

The degree of Bachelor of Laws will be conferred upon students who shall have passed satisfactory examinations upon the

subjects required in the entire course of three years and whose attendance and conduct have been satisfactory to the Faculty.

FEES AND EXPENSES.

The tuition fee for the regular course is eighty dollars per year of eight months, this to be paid in advance, monthly or quarterly, at the option of the student. The tuition fee for the Patent Law course is forty dollars. A charge of ten dollars in all cases is made for diplomas. Board and lodgings, including heat and light, can be obtained in the city at prices ranging from five dollars per week upward.

LAW LIBRARY AND READING ROOM.

A well-equipped working library, comprising 2,500 volumes, is open to the students in Law Lecture Hall from nine a. m. to ten p. m.

This library contains the standard text books, the West Reporter System of Federal and State decisions complete, State Reports, the English Common Law and Chancery Reports, Encyclopedias of Law, Digests, reference books, and current law publications.

Adjoining the Library is a conversation room for students, affording opportunity for consultation.

In addition to these facilities, the students have free access to the great Congressional Library and other public libraries in the city.

ADMISSION TO THE BAR.

By the rules of the Supreme Court of the District of Columbia, applicants for admission to the Bar are required to have studied law for three years under the direction of a competent attorney, but by those rules the course in the Law School of the University is regarded as discharging this requirement.

PRIZES.

A prize of \$100, called "The Parker Prize," in honor of its donor, the Hon. Myron M. Parker, is awarded each year to the

student who passes the best examination for the degree of Bachelor of Laws.

A prize offered by the Edward Thompson Company, of a set of the Encyclopædia of Law, first or second editions, or a set of the Encyclopædia of Pleading and Practice, is awarded each year to the student who shall write the best thesis on some legal subject to be assigned by the Faculty.

Three prizes—one of \$40, one of \$30, and one of \$20—are annually given to the respective authors of the best three essays handed in by such members of the Third Year Class as shall complete for them and shall pass a successful examination.

Two prizes for excellence in debate are awarded by the Debating Society.

Prize Awards, 1898.

A. T. Britton Prize	Joseph W. Welsh.
M. M. Parker Prize	Forrest P. Tralles.
Edward Thompson Company Prize	Walter A. Holden.
First Essay Prize.....	Walter A. Holden.
Second Essay Prize.....	Henry B. Ames.
Third Essay Prize.....	W. M. Holland.
Lee Davis Lodge Prize	Edward E. Demson.
First Debater's Prize	Walter Scott Smith.
Second Debater's Prize	Alvah W. Patterson.

Graduates of the Law School with the degree of Bachelor of Laws are admitted without examination to the School of Comparative Jurisprudence and Diplomacy for the degrees of Master of Laws, Doctor of Civil Law, and Master of Diplomacy.

For catalogues and further information, address the Secretary of the Schools of Law, 1420 H Street, Washington, D. C.

STUDENTS OF LAW.

Students, or Candidates for the Degree of Bachelor of Laws.

Name	State	Address
Barrus, George W.	N. H. . . .	314 E Street.
Brewer, A. Farley	Mass. . . .	1503 Prospect Street.
A. B., Williams College, 1897.		
Brockett, Bluford Wilson . . .	Md. . . .	3425 Holmead Ave.
Butler, Ulysses.	D. C. . . .	621 23d Street.
Botts, Joseph Waddell	N. Y. . . .	918 T Street.
Chapman, Charles McC.	N. Y. . . .	1912 H Street.
Chick, John Merle	Pa.	1110 16th Street.
Clark, Ralph A.	Iowa. . . .	725 12th Street.
Cooke, Harry Lee	Tenn. . . .	Rm 25 B, P. O. Dept.
Cooksey, Paul.	Ky.	1319 Vermont Ave.
Coombs, Howard Addison. . . .	Ill.	Patent Office.
S. B., Worcester Polytechnic Institute.		
Cooper, George Houston, Jr. . .	Va.	1132 5th Street.
Craig, Joseph Webber.	Maine. . . .	1416 N Street.
Cromwell, William Noyarre . .	D. C. . . .	1314 V Street.
Crooks, James W.	Ill.	303 B Street, S. E.
Daniel, Karl J.	Va.	1419 F Street.
Davis, Charles Arthur	Md.	Takoma Park, D. C.
Davis, Ewin Lamar	Tenn. . . .	1301 N Street.
Davis, Sidney Hanson.	Md.	Takoma Park, D. C.
Delaplane, Hammett S.	Va.	51 I Street.
Denison, Edward Everett. . . .	Ill.	809 13th Street.
A. B., Yale University.		
Du Maus, John E.	Ill.	1106 Md. Ave. S. W.
Esterly, Frank C.	Minn. . . .	1115 E. Capitol St.
Everts, Frank A.	Ind.	1350 Columbia Road.
Flint, Ralph Norton.	N. Y. . . .	16 Quincey St., N. E.
M. E., Cornell University, 1894.		
Foster, Bertram Grey.	N. Y. . . .	932 N. C. Avenue.
Foster, Daniel Shays	Pa.	19 Iowa Circle.
M. D., Georgetown University, 1869.		
Freeman, Alvan H.	Ga.	618 22d Street.
Gardner, Henry Finch	N. Y. . . .	1115 O Street.

Name	State	Address
Gardner, John Urquhart.....	Wis.	907 T Street.
Glover, L. K. C.....	Va.	1731 13th Street
Graham, Byron Ulmer.....	D. C.	516 T Street.
Green, Henry D., Jr.....	Ala.	1705 M Street.
Gregory, Eugene M.....	N. J.....	927 N Street.
A. B., Harvard University.		
Grim, Thurlow W.....	Ind.....	415 4th Street.
Griswold, Stewart C.....	Mich.	1119 Q Street.
Groesbeck, Walter Davis.....	Mich.	Patent Office.
B. S., Michigan Agricultural College.		
Hall, William Fairfax.....	D. C.....	1003 F Street.
Hallam, William Meade.....	Ky.	501 C Street, S. E.
Harris, Herbert Frederick.....	Pa.	1115 R. I. Avenue.
A. B., Bucknell University.		
1896: A. M., Bucknell University, 1897.		
Harris, Josiah G.....	Ky.	1319 Vermont Ave.
Hartmann, Charles.....	Mich.	932 O Street.
Hawthornth, Alfred Tennyson.....	N. H.....	805 10th Street.
Heth, Robert Mason.....	Va.	1759 Madison Street.
Hittle, James Monroe.....	Pa.....	1110 16th Street.
B. S., Fredonia Institute, 1897.		
Howard, Clarence V.....	D. C.....	907 13th Street.
Huffy, Laurence.....	Va.....	1143 22d Street.
Hume, F. Charles.....	Texas....	1235 Mass. Ave.
B. Lit., University of Texas.		
Husted, Glenn E.....	Mich.	Post Office Dep't.
Israel, Frank Thomas.....	Neb.....	1108 8th Street.
Jackson, Daniel Kerfoot.....	Va.....	809 13th Street.
Jacobs, S. Howard.....	Va.....	Falls Church, Va.
Jamison, Paul B.....	Mich.	1511 T Street.
Jansen, Thomas Egbert.....	N. Y.....	Room 127, War Dep't.
Keener, William Morse.....	Md.	1021 8th Street.
Kline, Aubrey.....	Va.....	1126 8th Street.
Lieuallen, Thomas T.....	Mo.	805 10th Street.
Mason, W. M.....	D. C.....	1717 De Sales St.
Mattingly, William F., Jr.....	D. C.....	1616 H Street.
A. B., Princeton University.		
1896.		

Name	State	Address
May, George T., Jr.	D. C.	2149 F Street.
McClure, Charles, Jr.	Minn.	1353 Harvard Street. B. L., University of Minne- sota, 1897.
McClure, James B.	Iowa	154 A Street, N. E.
McMullen, Adam.	Neb.	1406 S Street. A. B., University of Nebraska, 1896.
McRoberts, Charles Gregory.	D. C.	302 C Street.
Meekison, Colin C.	Ohio	1232 13th Street.
Merritt, Norman Allan.	D. C.	2819 14th Street.
Milans, Joseph Hercules.	D. C.	1232 N. H. Avenue.
Milburn, Charles Cool.	Wash'n.	1122 13th Street.
Morgan, T. Frank.	Va.	1416 15th Street.
Murphy, Thomas James.	N. C.	1102 8th Street.
Norris, William C.	Md.	617 14th Street.
Odor, Cadmus Linden.	Ohio	86 M Street.
Owen, Charles Wesley.	Mich.	430 Mass. Avenue.
Parkes, George Preston.	N. Dak.	1005 8th Street.
Parks, Charles W.	D. C.	2149 Florida Ave. C. E., Rens. Polytechnic In- stitute.
Parmelee, George H.	D. C.	705 G Street.
Paschal, Samuel Seoville.	D. C.	The Victoria.
Patterson, Alvah W.	Ore.	502 B Street, N. E.
Pierce, Harry Alleman.	D. C.	610 R Street.
Potts, Theron.	N. Y.	243 Delaware Ave.
Rastell, Charles Wesley.	N. J.	Navy Department.
Reader, Jabe C.	Texas	1319 Vermont Ave.
Ridgway, Thomas Caldwell.	Ill.	1632 17th Street.
Rohrback, Howard Lemon.	Penn.	1209 Q Street.
Roots, Edward C.	Ind.	722 12th Street.
Seitz, Earle W.	Mo.	917 McPherson Sq.
Sloan, Austin Clark.	Wyo.	1304 I. Street.
Smith, C. Downing.	Va.	1212 N. Y. Avenue.
Smith, Charles Dorsey.	Md.	29 I Street.
Smith, Edgar A.	Iowa	House of Rep.
Snell, Frank Hiram.	D. C.	Fla. and Conn. Aves. A. B., Yale University, 1882.

Name	State	Address
Spaulding, John Cecil	Mich.	1637 R Street
A. B., University of Michigan, 1897.		
Stallcup, James Alfred	Mo.	1807 H Street.
Stewart, Nathaniel B	Ga.	2107 O Street
A. B., University of Georgia, 1893		
Thomas, Hillebert Ward	Mich.	1625 R Street
Thurman, Richard B	Utah.	1337 L Street.
Townsend, George Alfred, Jr.	Md.	229 1st Street, N. E.
Towson, Richard M	Va.	1122 Vermont Ave.
Tyssowski, Joseph Gorham	D. C.	1431 R. L. Avenue
Vaill, Edward W., Jr.		210 T Street.
B. S., Worcester Polytechnic Institute.		
Vieth, Henry Alvin	Wis.	Dept of Agriculture
Weimer, George V	Mich.	1416 N Street.
Wells, Albert Coulter	Penn.	1203 11th Street.
Westcott, Charles D	D. C.	1414 20th Street.
Wheeler, Levi Woodbury	N. H.	518 M Street.
White, William Frye	Maine	Sun Building, F St.
A. B., Bowdoin College, 1897.		
Yates, John Browning	Va.	1300 Penn. Avenue.

First Year Class.

Name	State	Address
Ake, Charles DeWarenne	D. C.	604 I Street, N. E.
Anderson, Dwight	D. C.	307 T Street.
Austin, William Morris	D. C.	2017 O Street.
B. S., Trinity College (Hart- ford, Conn.), 1898.		
Baker, Curtis T.	N. J.	619 19th Street.
Ballinger, John H.	Iowa.	2231 Q Street.
Barclay, Fred Homer	Wyo.	Hotel Stratford.
Blackwood, Don Piatt	W. Va.	1028 25th Street.
Bonifant, John	Md.	1327 I Street
Boyer, Clyde Edward	Ind.	909 N. C. Avenue.
Boyle, John	Penn.	Petworth, D. C.

Name	State	Address
Bradford, William Rufus	S. C.	1119 6th Street
Brothers, Maxwell R.	Miss.	1919 I Street
Broughton, William Simmons.	Ill.	Treasury Dept.
Ph. B., University of Chicago		
Browne, Frederick W.	Iowa.	2031 H Street.
Burgey, John Morrissey	N. Y.	2020 G Street
Cameron, Alexander B.	D. C.	250 9th Street, N. E.
Cannon, Hal M.	Ind. Ter.	1422 11th Street.
Champion, Robert	D. C.	1113 I Street, S. E.
Chase, Royden Durfee	D. C.	300 R Street, N. E.
Clark, Reed Paige	N. H.	1424 11th Street.
B. A., Columbian University.		
1898.		
Clifton, Horace B.	D. C.	2819 G Street
Connell, John.	Pa.	
Conwell, Lewis Caffax.	Iowa.	Auditor P. O. Dep't
Cox, Joseph Winston	Va.	Equity Building
Crossman, Charles Sumner.	Va.	Falls Church, Va.
Crowley, Claude Stephen	Ohio.	1112 H Street
Dean, Robert H.	Ky.	1605 Lincoln Avenue
Dodge, Arthur J.	Wis.	3401 Holmead Ave.
Dodge, Frederick A.	Va.	1119 N Street.
Dodge, Harris B.	Va.	601 I Street
Dryden, Martin Thomas.	D. C.	318 6th Street N. E.
Drysdale, Hugh Paton.	Mass.	1223 15th Street.
B. A., Williams College, 1897.		
Duncan, George Russell	Ill.	1219 Yale Street.
Earle, Wilton H.	S. C.	618 22d Street
B. Lit., Furman University.		
1898.		
Elliott, M. Artells	Ark.	808 11th Street.
Ph. B.		
Fairbanks, Warren Charles	Ind.	1804 Mass. Avenue.
A. B., Ohio Wesleyan University, 1898.		
Fitzgerald, William.	D. C.	1416 S Street.
Freeman, Joseph Edwin.	Ill.	1770 Mass. Avenue.
Ph. B., University of Chicago.		

Name	State	Address
Fullilove, Sanford C.	La.	926 Mass. Avenue. B. A., Centenary College, 1896.
Fulton, William G.	Va.	921 I Street.
Gaddess, Eugene L.	Va.	1432 Binney Street.
Gauss, Herman Charles	Conn.	24 6th Street, S. E.
Gold, Hunter Boyd	Va.	714 18th Street.
Goodlove, C.	Ohio	201 T Street.
Gordon, Allen Taylor Caperton.	D. C.	6 Cooke Place.
Gordon, Gordon Wright	Mass.	29 I Street, N. E. B. A., Williams College, 1897.
Greer, Walter Andrew	Mo	1027 N. Capitol St.
Griffith, William Oglesby	D. C.	1428 K Street. B. S., University of Pennsyl- vania, 1890; M. E., Univer- sity of Pennsylvania, 1891.
Hearn, Wilfred	Ark.	905 K Street.
Heath, Thomas Ramsdell	D. C.	528 Spruce Street.
Herbert, William C.	Va.	Alexandria, Va.
Herrick, Samuel	Pa.	1644 21st Street.
Holloway, William H.	N. C.	1638 16th Street.
Hopkins, Marcus Clarence	D. C.	817 15th Street.
Houchen, Stanley T.	Ind.	505 B Street, S. E.
Howard, John C.	D. C.	1149 N. H. Avenue.
Huggett, Martin Charles	Mich.	1119 I Street.
Huidekoper, Frederic Louis	D. C.	1705 N. H. Avenue. B. A., Harvard University, 1896; Christ Church, Ox- ford, 1898.
Hume, Robert Scott	Va.	1235 Mass. Avenue. B. A., Yale University.
Jenks, Richard Leedom	Pa.	307 G Street.
Johnson, A. Stephenson	D. C.	1315 Yale Street.
Johnson, Benjamin R.	N. Y.	1916 N Street. A. B., Hamilton College, 1897.
Johnson, Walter S.	Wash.	927 O Street.
Jones, Henry Elihu	Minn.	1237 10th Street.
Jones, Horace T.	D. C.	233 R Street, N. E.
Karch, Charles M.	Ohio	1313 H Street. Ph. B., St. Lawrence.

Name	State	Address
Kimball, Harry Grant	N. Y.	1916 N Street.
A. B., Hamilton College, 1896.		
La Chance, Leander Hanscom	Ariz.	618 22d Street.
Lewis, Samuel S.	Pa.	905 H Street.
List, M. Creel	Wash.	1623 H Street.
Long, Edward S.	Ky.	117 11th Street, N. E.
Magee, Charles L.	D. C.	103 Kentucky Ave.
Mayer, Charles David.	Cal.	107 K Street.
McClure, William E.	Ore.	909 New York Ave.
A. B., University of Oregon, 1896.		
McCormick, Howard	D. C.	Wash'n Navy Yard.
Merrill, Thomas Sherlock.	D. C.	416 T Street.
Metzgerott, Oliver S.	D. C.	1806 K Street.
B. S., Princeton University.		
Miller, Thomas Marshall, Jr.	La.	1913 Penn. Avenue.
Minnegerode, Fitz Lee.	Va.	414 Princee Street, Alexandria, Va.
Moore, Edward S.	Wis.	467 M Street.
Nourse, Philip Beecher.	Va.	West End, Va.
Pagelsen, Edward N.	Mich.	1308 I Street.
B. S., Michigan Agricultural College, 1889.		
Parker, Winard Warner.	D. C.	1829 19th Street.
B. A., Yale University, 1898.		
Parkman, Charles Howard.	D. C.	802 D Street, N. E.
Peters, Arthur Stephens.	D. C.	1354 Columbia Road.
Plant, Arthur G.	D. C.	918 M Street.
Plumley, Walter Preston	D. C.	408 H Street.
Proctor, Alfred Waters.	Mass.	1113 O Street.
Rawlings, Richard Galt.	D. C.	604 9th Street.
Reed, Harry Day.	Ga.	2408 Penn. Avenue.
Reinohl, William Parker.	D. C.	611 Q Street.
Richardson, Harris P.	N. Y.	705 East Capitol St.
Ryan, Philip J.	N. Y.	1411 Mass. Avenue.
U. S. Naval Academy, 1883.		
Sabourin, George F.	La.	Geological Survey.
Schell, Augustus P.	Ky.	440 K Street.
Schuldt, Gus A.	D. C.	603 Penn. Ave., S. E.

Names	State	Address
Sisson, Harry R.	Ohio	440 K Street.
Slade, William Adams.	R. I.	205 I Street.
B. P., Brown University, 1898.		
Soult, Will Eugene	Colo.	417 N. Y. Avenue.
Spaul, Edwin E.	D. C.	2650 14th Street.
A. B., Bowdoin College, 1898.		
Spurrer, William Atwood	Penn.	24 K Street.
Stephens, Robert Allan	Ill.	Winder Building.
Stewart, Harry W.	N. Y.	1729 F Street.
Stuart, Albert Rhett	S. C.	1226 15th Street.
B. A., Columbian University, 1898.		
Sumner, George W.	Neb.	1401 L Street.
S. B., Massachusetts Institute of Technology.		
Talbott, James David	Ill.	929 Farragut Square.
Turner, William Burke	Ore.	502 B Street, N. E.
Twinn, Clark James	N. Y.	1760 Q Street.
Veeder, Charles Adelbert	Wis.	290 Indiana Avenue.
Weaver, Louis William	D. C.	208 Md. Ave., N. E.
Whitney, Fred P.	N. Y.	1517 Columbia St.
Williams, Walter Beall	D. C.	1319 8th Street.
Wilson, Charles McCormack	D. C.	2909 Q Street.
Wiltse, Franklin Steele	N. Y.	2009 Q Street.
Wingfield, Thomas Julian	Va.	1519 T Street.
Wollard, John H.	D. C.	601 N. C. Avenue.
Woodworth, George Keen	D. C.	1424 S Street.
Mech. E., Cornell University, 1896.		
Wooster, Julian S.	Conn.	Patent Office.
Workman, Henry C.	Mich.	1325 Kenesaw Ave.
B. S., Columbian University.		
Yola, Joaquin, Jr.	Guatemala	The Cairo.
A. B., National Institute, Guatemala, 1890; D. D. S., New York, 1895.		
Yellott, Robert E. Lee	Va.	1614 O Street.

Students in Patent Law.

Name	State	Address
Bartlett, John F.	Mass.	1721 P Street
LL. M., National University, 1897.		
Becker, William J.	Wis.	1914 16th Street.
M. E., Royal Polytechnic, Munich, 1891; B. L., Co- lumbian University, 1898.		
Billman, Obed Calvin.	Ohio.	917 N. Y. Avenue.
LL. B., Chicago Correspond- ence Law School, 1897.		
Buck, Arthur A.	Mass.	700 20th Street.
S. B., Massachusetts Institute of Technology, 1893; B. L., Columbian University, 1897.		
Clay, F. W. H.	Ky.	1618 17th Street.
LL. M., Columbian University.		
Doyle, Bertram Martin.	Ky.	934 I Street.
Ph. B., Riverside Seminary, 1892; LL. B., Columbian University, 1896; LL. M., Columbian University, 1897. C. E., Cornell University.		
Duncan, Harry Lee.	N. Y.	1325 Kenesaw Ave. .
LL. B., New York Law School; M. E., Columbian Univer- sity.		
Eakle, Edward H.	D. C.	1108 E. Capitol St.
LL. B., Columbian University; LL. M., Columbian Univer- sity.		
Farnsworth, F. Philip.	D. C.	1618 17th Street.
Ph. B., Yale University, 1894; LL. B., Yale University, 1897.		

Name	State	Address
Ferguson, Thomas H	Mich. . . .	Patent Office. Ph. B., University of Michigan, 1895; B. S., University of Michigan, 1896; LL. B., Des- troit College of Law, 1897.
Goodwin, Edward C.	Mass. . . .	1005 H Street.
Greist, Lewis T.	Ind.	810 12th Street, N. E. B. L., Columbia University, 1898.
Harris, Charles Gantt	D. C. . . .	1917 Kolonna Ave. B. S., Worcester Polytechnic Institute; B. L., Columbia University, 1898.
Hatch, William M.	Vt.	1316 Wallach Place. A. B., Dartmouth College; B. L., Columbia Univer- sity; M. L., Columbia University.
Hodges, Vernon E.	D. C. . . .	800 H Street. LL. M., National University.
Johnson, A. Roland.	D. C. . . .	1706 9th Street. LL. B., Columbia Univer- sity, 1895; LL. M., Co- lumbian University, 1896; LL. M., National Univer- sity, 1897.
Kinnan, Arthur F.	Mich. . . .	Patent Office. B. S., Michigan State College; LL. B., Columbia Univer- sity, 1895.
Lawson, William C.	D. C. . . .	312 Indiana Avenue.
Moore, David Pelton.	D. C. . . .	2029 O Street. B. L., Columbia University, 1897; M. L., Columbia University, 1898.

- | Name | State | Address |
|--|-------|---------------------|
| Parker, Charles W. | Va. | 626 I Street. |
| LL. B., Columbian University, 1896; M. L., Columbian University, 1897. | | |
| Powell, Ralph C. | Ohio | 1618 47th Street. |
| A. B., Yale University, 1892; LL. B., National University, 1896; LL. M., National University, 1898. | | |
| Prentiss, Spencer B. | D. C. | 1218 9th Street. |
| B. S., Columbian University; 1895; B. L., Columbian University, 1897; M. L., Columbian University, 1898. | | |
| Reid, William H. | Pa. | 2202 Decatur Place. |
| M. E., Polytechnic, Pa. | | |
| Ruckman, Webster S. | Mich. | Patent Office. |
| B. S., University of Michigan, 1887; B. L., Columbian University, 1897; LL. M., National University, 1898. | | |
| Saul, John A. | D. C. | 1207 6th Street. |
| LL. M., Georgetown University. | | |
| Seibold, Arthur Bingham | D. C. | 110 Md. Ave., N. E. |
| LL. B., Columbian University, 1896; M. L., Columbian University, 1897. | | |
| Smith, Louis C. | Mass. | 911 3d Street. |
| B. S., Worcester Polytechnic Institute; LL. B., National University; LL. M., National University. | | |

Name.	State.	Address.
Tucker, George P.	Neb.	633 G Street
B. S., Worcester Polytechnic Institute; LL. B., National University; LL. M., Na- tional University.		
Wills, Walter H.	D. C.	312 Indiana Avenue
LL. B., National University; LL. M., National University.		

Recapitulation.

Senior Class.	107
First Year Class.	121
Students in Patent Law.	29
Total	257

THE SCHOOL OF COMPARATIVE JURISPRUDENCE AND DIPLOMACY.

GRADUATE COURSE.

THE FACULTY.

BENJAMIN L. WHITMAN, D. D., *President*,
Political History and Science.

CHARLES W. NEEDHAM, LL. M., *Dean*,
Comparative Jurisprudence; Transportation and Interstate
Commerce Law.

HON. JOHN M. HARLAN, LL. D.
(Associate Justice of the Supreme Court of the United States),
Conflict of Laws; Comparative Constitutional Law.

HON. DAVID J. BREWER, LL. D.
(Associate Justice of the Supreme Court of the United States),
International Law.

HON. JOHN W. FOSTER, LL. D.
(Ex-Secretary of State),
Diplomacy and Treaties of the United States; Duties of
Ambassadors, Ministers, and Consuls; Boards of
Arbitration.

HON. DAVID J. HILL, LL. D.
(Assistant Secretary of State),
European Diplomacy and Treaties.

HON. WILLIAM WIRT HOWE
(of the New Orleans Bar),
Ancient Law, Roman Law, Mediæval and Modern Civil Law.

HON. LYMAN J. GAGE

Secretary of the Treasury.

Lecturer on Public Finance, Money, and Credits.

HON. WILLIAM P. WILSON, Sc. D.

Director of the Philadelphia Commercial Museum,
International Trade and Commercial Geography.

JOSEPH FRENCH JOHNSON, A. B.,

Money, Credits, and Foreign Exchange.

HON. J. L. M. CURRY, LL. D.

Sometime Minister to Spain,
Jurisprudence of Spain.

HON. WILLIS VAN DEVANTER

(Assistant Attorney General),
Equity Pleading and Practice.

HON. MARTIN A. KNAPP, LL. D.

Chairman Interstate Commerce Commission,
Lecturer on Interstate Commerce Law.

Special lecturers upon the jurisprudence of England and her Colonies, France, Germany, Austro-Hungary and Italy, and other subjects will be announced at the opening of the term in October, 1899.

The following courses in the Law School may be taken by students of this School in the course for the degree of Master of Laws without extra charge.

Constitutional Law.

HON. JOHN M. HARLAN, LL. D.

Equity Jurisprudence.

HON. DAVID J. BREWER, LL. D.

History of American and English Law.

CHARLES W. NEEDHAM, LL. M.

Moot Courts, and Courses in Common Law Practice and Pleading.

CHARLES RAY DEAN, LL. B.,
Secretary of the Schools of Law

At the annual meeting of the Board of Trustees of the University in June, 1898, an ordinance was adopted establishing, as a department of the University, "The School of Comparative Jurisprudence and Diplomacy."

This school was opened with appropriate ceremonies at the University November 15, 1898. President McKinley, with members of his Cabinet and many other distinguished men in public life, were present. Addresses were delivered by B. L. Whitman, D. D., President of the University; Charles W. Needham, LL. M., Dean; Hon. John M. Harlan, LL. D., Associate Justice of the Supreme Court of the United States; Hon. David J. Brewer, LL. D., Associate Justice of the Supreme Court of the United States; Hon. Lyman J. Gage, Secretary of the Treasury; Sir Wilfrid Laurier, Premier of Canada, and Hon. John W. Foster, ex-Secretary of State.

On January 3, 1899, Law Lecture Hall was completed and dedicated. This building is located at 1420 H Street, adjoining University Hall; it is very complete, having three lecture-rooms, a large library, and ample office rooms, the entire building being devoted to the use of the Schools of Law.

OBJECTS.

The design of this school is to afford a training in the subjects of higher legal knowledge and the history, science, and practice of international law and diplomacy. Its courses are intended for lawyers, students of jurisprudence, and persons who desire appointments in the public, diplomatic, and consular service of the United States. To be an international lawyer or diplomatist one must, in addition to an education which makes one a scholar and lawyer, have special knowledge of the higher and broader subjects of the law and the intercourse between States and nations. It is the special object and purpose of this school to furnish instruction and opportunities for study that will fit men for the practice of international law and for positions in the public, diplomatic, and consular service.

ACADEMIC YEAR.

The academic year 1899-1900 will begin on Monday, October 2, 1899, and will end Wednesday, May 30, 1900. There will be a recess beginning Saturday, December 23, 1899, and ending Tuesday, January 2, 1900. Lectures will be resumed Wednesday, January 3.

COURSES OF INSTRUCTION.

The class-room work for each class will occupy ten hours per week, two hours every day except Saturday. These hours are arranged by schedule, and come between five and eight o'clock.

First Year.

CONFLICT OF LAWS. One hour per week, one-half year. PROFESSOR HARLAN.

COMPARATIVE CONSTITUTIONAL LAW. One hour per week, one-half year. PROFESSOR HARLAN.

INTERNATIONAL LAW. One hour per week. PROFESSOR BREWER.

POLITICAL HISTORY AND POLITICAL GEOGRAPHY. One hour per week. THE PRESIDENT.

ROMAN LAW. One hour per week, one-half year. PROFESSOR HOWE.

HISTORY OF DIPLOMACY AND TREATIES OF THE UNITED STATES. One hour per week, one-half year. PROFESSOR FOSTER.

TRANSPORTATION AND INTERSTATE COMMERCE LAW. One hour per week. PROFESSOR NEEDHAM.

EQUITY PLEADING AND PRACTICE. One hour per week, one-half year. PROFESSOR VAN DEVANTER.

Five hours each week will be devoted to class discussions and conferences upon the foregoing subjects, conducted by professors and instructors.

Second Year.

POLITICAL SCIENCE. One hour per week. THE PRESIDENT.

HISTORY OF DIPLOMACY OF THE UNITED STATES, ORGANIZATION OF THE STATE DEPARTMENT, DUTIES OF AMBASSADORS, MINISTERS,

AND CONSULS, AND INTERNATIONAL ARBITRATION. One hour per week. PROFESSOR FOSTER.

CONSTITUTIONAL LAW AND JURISPRUDENCE OF THE UNITED STATES. PROFESSOR HARLAN.

HISTORY OF EUROPEAN DIPLOMACY AND TREATIES AND EUROPEAN DIPLOMATISTS. One hour per week. PROFESSOR HILL.

ROMAN LAW. One hour per week. PROFESSOR HOWE

COMPARATIVE JURISPRUDENCE. In charge of the DEAN. Special lecturers for each subject.) Three hours per week.

(a) History and General Principles of the Laws of India, Egypt, Palestine, and Greece.

(b) History and General Principles of Roman Law, derived from Greece and developed in Rome to the time of Justinian.

(c) A General View of the Law in Europe during the Middle Ages.

(d) The Extension of the Roman Law into some of the great Modern States.

(e) The Rise of the Common Law and its Extension into some of the great Modern States.

(f) Jurisprudence of England and her Colonies, France, Germany, Austro-Hungary, Italy, and Spain.

INTERNATIONAL LAW. One hour per week, one-half year. PROFESSOR BREWER.

INTERNATIONAL TRADE AND COMMERCIAL GEOGRAPHY. One hour per week, one-half year. PROFESSOR WILSON.

FINANCE. One hour per week. PROFESSOR JOHNSON.

(a) Theory and Functions of Money. (b) Credits, or the Substitutes for Money. (c) Banking. International Payments and Foreign Exchange.

PUBLIC FINANCE

(a) Organization of the Treasury Department. (b) Revenues—internal and customs. (c) Bond issues. (d) Appropriations. (e) Disbursements.

Special Lectures and Class Discussions and Conferences, five hours per week.

METHOD OF INSTRUCTION AND STUDY.

Professors will conduct the study of the subject to which they are assigned by lectures, required courses of reading, and class discussions and conferences. Where a subject is divided into different branches or subdivisions, special lecturers will be introduced who are specially qualified to speak upon the subject assigned.

All subjects will be studied historically and comparatively and with a view to arriving at the present conditions and state of the law.

Class discussions and conferences will follow each lecture, and students will be encouraged to make original research and report their work to the class.

COMPARATIVE JURISPRUDENCE. This course will begin with the study of the laws of primitive people, the laws of India, Egypt, Palestine, and Greece; following this with a study of the Roman Law as derived from Greece and developed in Rome itself, down to the time of Justinian; then taking a general view of the law in Europe during the Middle Ages and tracing the Roman Law to the modern nations in which it now prevails. The rise of the Common Law and its extension to the nations in which it prevails will be carefully considered, and then the jurisprudence of the great modern States will be studied, giving to each a special lecture course, with class discussions. The relations of England to her colonial empire, and the federal system existing in Canada will receive special attention. All statutory laws which have a bearing upon the exercise of national power and which affect the relations of nations with each other, as well as the fundamental law, will be studied in each course.

This subject will be under the general supervision of the Dean, and lecturers will be appointed upon the jurisprudence of each nation. These lecturers will be selected with reference to their special knowledge of the subject assigned them.

COMPARATIVE CONSTITUTIONAL LAW. This subject will be studied by first considering in a thorough and comprehensive manner the subjects and the scope of the Constitution of the United States; next taking the constitutions of other nations, studying their sources and subjects, comparing their provisions

in the light of judicial interpretation by the highest courts of the country with the Constitution of the United States as construed by the Supreme Court of the United States, giving the student a thorough knowledge of the statement of constitutional law in the various countries, the scope of each, the subjects treated, the judicial construction, and the points in which our Constitution differs from that of other nations.

INTERNATIONAL LAW. This subject will be studied with reference to its sources, its sanctions, its present condition, and the lines and scope of its probable development.

HISTORY OF DIPLOMACY AND TREATIES OF THE UNITED STATES. The course of lectures on American Diplomacy will embrace the duties of ambassadors and ministers; duties of consuls; treaties, their method of negotiation, various forms of, attitude of Congress, rulings of Supreme Court, and historical sketch of most important American treaties; arbitration, principles of, organization and method of procedure; and the Monroe Doctrine.

HISTORY OF EUROPEAN DIPLOMACY AND TREATIES. Approaching diplomacy not merely as the science of the relations of sovereign States and the art of conducting negotiations between them, but primarily as the actual transaction of international business, the course of instruction will aim to show what European diplomacy really is by the examination of its history. As all important international transactions are summed up and embodied in definite treaties and conventions, the subject can be most profitably discussed by an analysis of these documents, supplemented by an account of the persons, interests, events, forms, ceremonies, and negotiations that have contributed to their development. By this method it is hoped that it may be possible not only to derive inductively the principles of diplomacy as an art and as a science, but also to present an exposition of the present international relations of Europe as determined by the great treaties, from the Congress of Westphalia to the Congress of Berlin, showing the existing affinities, antagonisms, and tendencies of the chief European powers.

POLITICAL HISTORY AND SCIENCE: POLITICAL GEOGRAPHY IN ITS RELATION TO POLITICAL HISTORY. The work in this depart-

ment is designed to put the student in possession of the main results of political development, enabling him to follow the course of history, both in its geographical and in its political movement, with special reference to the structure and influence of the States whose work has been worth most to the world.

FINANCE. This subject will be treated broadly with reference to international relations in commerce and banking. It will consider the nature and functions of money and credits and their international circulation: also the subject of Public Finance, including the sources of government revenues, bond issues, taxation, the disbursement of the revenues, and the organization of the Treasury Department.

INTERNATIONAL TRADE AND COMMERCIAL GEOGRAPHY. This course will treat of the products of the United States which are the subjects of international trade: where like products are grown or manufactured, and the markets for the same, giving the general currents or geography of trade and commerce and showing how affected by treaties and legislation and the services of diplomatic and consular agents of the United States.

TRANSPORTATION AND INTERSTATE COMMERCE LAW. This subject will be treated historically, beginning with the public highway, the use of navigable waters, and the construction and operation of canals and railroads: observing the rights of the public; the relations of owners of railroads to the management and the public; theory and practical working of competition and combination: legislative control, and reviewing the Interstate Commerce Law and the decisions thereunder.

SPECIAL COURSE.

For the year beginning October, 1899, there will be a special course in Practice for the students who have pursued a two-years' undergraduate course in any law school, who have taken the degree of Bachelor of Laws, and who desire to enter this School for the degree of Master of Laws. This will include, in addition to the regular course for the first year, Common Law Pleading, Common Law Practice, and Moot Court work.

ADMISSION.

All students who have taken the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Laws in the Columbian University or any other university requiring an equal amount of study for the degree, and all others who have done work equivalent to that required for either of these degrees, and who pass a satisfactory examination before the Faculty of the School are entitled to admission for the two-years' course as candidates for the degree of Master of Diplomacy or the degree of Doctor of Civil Law. Students who have taken the degree of Bachelor of Laws in this or any other university requiring an equal amount of study for this degree will be admitted to the first year of the course as candidates for the degree of Master of Laws. Men who have received the degree of Doctor of Civil Law or its equivalent may enter for the one-year course for the degree in Diplomacy.

EXAMINATIONS.

Examinations will be held at the conclusion of each subject, and a thesis will be required of each student upon a topic covered by some part of the course to be selected by the student, subject to the approval of the faculty.

PRIZES.

A prize of \$50, called "The Britton Prize" in honor of its donor, Col. Alexander T. Britton, is awarded each year to the student who passes the best examination for the degree of Master of Laws.

A prize, offered by the Edward Thompson Company, of a set of the Encyclopedia of Law, first or second editions, or a set of the Encyclopedia of Pleading and Practice, is awarded to the student in this School who shall write the best thesis on some legal subject, to be assigned by the Faculty.

DEGREES.

This School provides a graduate course leading to the degrees of Master of Laws, Doctor of Civil Law, and Master of Diplo-

may. Students entering for the degree of Doctor of Civil Law will not be required to take all of the subjects in Diplomacy. Students entered for the degree of Master of Diplomacy will not be required to take all of the legal subjects. After receiving the degree of Doctor of Civil Law, students may take the remaining work in Diplomacy, completing it in one year, and receive the degree of Master of Diplomacy.

TUITION FEES.

The tuition fee is eighty dollars for each year, payable monthly or quarterly, at the option of the student, in advance.

Students will be required to present tickets showing the payment of the tuition fee before admission to the lectures.

There are no extra charges in the School except for diploma. Publications issued in connection with the work are furnished to students at cost.

Any person approved by the Dean may attend the lectures and have the benefit of the examinations upon paying the tuition fee; but no person will be entitled to a degree who does not enter in accordance with the requirements named under the head of "Admission."

For further information and application blanks for admission, address the SECRETARY OF THE SCHOOLS OF LAW, 1420 H Street, Washington, D. C.

STUDENTS, 1898-1899.

First Year.

Name.	State.	Residence.
Able, R. Felder.....	S. C.....	911 M Street.
LL. B., Columbian University; LL. M., Columbian University, 1896.		
Allen, Charles Kissam.....	N. Dak....	1828 Jefferson Place
LL. B., National University; LL. M., National University.		
Alward, I. Q. H.....	N. J.....	1518 Caroline Street
Auer, Harry Anton.....	D. C.....	315 S Street, N. E.
LL. B., Columbian University, 1898		

SCHOOL OF JURISPRUDENCE AND DIPLOMACY. 175

Name	State	Address
Bingham, Goudry W. LL. B., Georgetown University, 1898.	Ala.	802 11th Street.
Brown, Harry J. B. S., Dartmouth College, 1895. LL. B., Columbia University, 1897.	N. H.	1702 14th Street.
Burnham, Royal F. LL. B., Columbia University, 1898.	D. C.	103 C Street, S. E.
Bynum, Dixon H. LL. B., Columbia University, 1898.	Ind.	1425 R Street.
Cabill, Thaddens. LL. B., Columbia University, 1892; LL. M., Columbia University, 1893.	N. Y.	1808 16th Street.
Call, Lewis W. B. S., Kansas Agricultural College, 1883; LL. B., Columbia, 1888; LL. M., Columbia University, 1889.	Kans.	1249 Kenesaw Ave.
Campbell, M. K. LL. B., Columbia University, 1898.	Ill.	Post Office Dept.
Carr, Wilbur J. LL. B., Georgetown University, 1894.	N. Y.	1115 M Street.
Catlett, U. S. LL. B., Columbia University, 1893; LL. M., Columbia University, 1894.	Tenn.	511 Spruce Street.
Chase, George Phillips. B. S., University of Pennsylvania, 1895; LL. B., Columbia University, 1898.	D. C.	12 Iowa Circle.
Chesley, Willoughby S. LL. B., Columbia University, 1898.	Md.	The Cairo.
Church, Frank M. B. S., Georgetown (Ky.), 1896. LL. B., Columbia University, 1898; LL. M., Columbia University, 1898.	N. J.	900 K Street.
Clark, Charlton M. LL. B., National University.	Miss.	626 I Street.

Name.	State.	Address.
Colladay, Edward Francis LL. B., Columbian University, 1898.	Kas.	1234 I Street.
Collins, Franklin W.	Neb.	The Concord.
Crist, Wiley LL. B., Columbian University, 1898.	Ill.	1702 R Street.
Crosthwaite, F. B. LL. B., Columbian University, 1887.	Mich.	1329 Whitney Ave.
Dalton, Alfred S. LL. B., Georgetown University; LL. M., National University.	N. C.	The Hamilton.
Dean, Charles Ray Ph. B., Chicago University, 1877; LL. B., Columbian University, 1882.	D. C.	927 O Street.
Denison, Edward Everett A. B., Yale University, 1896.	Ill.	809 13th Street.
Dennis, T. Fletcher A. M., Illinois College; LL. B., LL. M.	Ill.	1615 Florida Avenue.
Disch, H. G. LL. B., Columbian University, 1898.	Wis.	621 8th Street, N. E.
Doyle, John Thomas LL. B., Columbian University, 1886.	N. Y.	2104 Wyoming Ave.
Edwards, O. Ellery, Jr. B. S., Alabama Polytechnic Institute; LL. B., Columbian University.	N. Y.	1906 H Street.
Evans, Samuel H. LL. B., Columbian University, 1898.	Va.	1317 R Street.
Fowler, Owen H. LL. B., Columbian University, 1898.	D. C.	1425 N. Y. Avenue.
Garland, William Howard.	D. C.	919 I Street.
Gibson, Frederick Power A. B., University of Alabama, 1894; LL. B., Georgetown University, 1898.	Ala.	1121 Harvard Street.
Gray, John P. LL. B., Columbian University, 1898.	Idaho.	1621 13th Street.

Name	State	Address
Gwynes, Charles Oscar B. L., Mississippi College, '95 LL. B., Columbian University, 1898.	Miss.	1206 K Street
Haddock, W. Rush	Iowa	The Litchfield
LL. B., State University of Iowa		
Halford, A. J.	Ind.	1622 22d Street
Handy, Fred C.	Va.	1331 12th Street
LL. B., Columbian University, 1898.		
Hardy, Robert S.	Miss.	1106 Md. Ave., S W
Harris, John T.	Mo.	940 K Street
LL. B., Columbian University, 1898.		
Healy, Peter J.	Minn.	218 N. J. Avenue
LL. B.		
Hennings, Frederick Leith	Ill.	1461 Florida Ave.
LL. B., Columbian University, 1898.		
Holcombe, John W.	Ind.	1829 Corcoran St.
A. B., A. M., LL. B.		
Holden, Walter A.	Conn.	815 15th Street
LL. B., Columbian University, 1898.		
Jackson, E. Hilton	D. C.	809 13th Street
LL. B., Columbian University, 1892; LL. M., Columbian University, 1893; A. M., Columbian University, 1894.		
Johannes, George	D. C.	814 C Street, S. E.
LL. B., Columbian University, 1898.		
Johnson, Livingston S.	Va.	1460 Corcoran St.
LL. B., Columbian University, 1898.		
Jones, Richard Henry	Vla.	316 C Street.
LL. B., Georgetown University, 1898.		
Kellogg, Charles J.	La.	1227 M Street
LL. B., National University, 1894; LL. M., National University, 1897; LL. M., Columbian University, 1898.		

Name	State	Address
Keyser, Adolph Gustav	D. C.	2019 Mass. Avenue. LL. B., Columbian University, 1898.
Kiggins, Frank M.	D. C.	1213 Q Street A. B., Vanderbilt University; LL. B., Georgetown University; LL. M., Georgetown University
Lee, Harry Holbrook	Ohio	1620 15th Street LL. B., Columbian University, 1898.
Linkins, Charles	D. C.	1923 G Street LL. B., Columbian University, 1898.
Mackey, George D., Jr.	N. J.	Congressional Hotel. LL. B., Columbian University, 1897; LL. M., Columbian University, 1898.
McKinley, J. William	D. C.	1451 Harvard Street. LL. M., National University, 1896.
Matthews, Charles Eugene	Ok. Ter.	6th Auditor's Office. LL. B., Columbian University, 1898.
Meent, Edgar B.	Ark.	202 E Street. LL. B., Georgetown University, 1898.
Miller, Claude E.	Pa.	1339 15th Street LL. B., Columbian University.
Mills, Edward P.	Va.	2424 Penna. Avenue. LL. B., Columbian University.
Moon, John B.	Ill.	306 C Street. LL. B., Georgetown University; LL. M., Georgetown University.
Moulton, Alston B.	Mass.	1721 P Street B. S., Worcester Polytechnic Institute; LL. B., Columbian University, 1898.
Nelms, William H.	Ill.	111 E Street LL. M., Georgetown University, 1898.
Ogden, Herbert G., Jr.	D. C.	1610 Riggs Place M. E., Cornell University, 1896; LL. B., Columbian University, 1898.

Name	State	Address
Oliver, Robert Taylor LL. B., Columbian University, 1898.	D. C.	1725 Riggs Place.
Pool, Solomon C. LL. B., Georgetown University, 1897; LL. M., Georgetown University, 1898.	N. C.	Treasury Dept.
Rask, Henry G. LL. B., Georgetown University, 1896.	N. Y.	Hotel Varmin.
Richardson, Charles F. P. A. B., Harvard University.	D. C.	1812 I Street.
Ruffin, Thomas LL. B., Georgetown University, 1896; LL. M., Georgetown University, 1897.	N. C.	1311 20th Street.
Schuyler, Walter Farnham LL. B., University of Denver, 1898.	Colo.	1113 11th Street.
Sellhausen, Armin A. LL. B., Columbian University, 1898.	D. C.	510 D Street, S. E.
Semmes, Alexander H. LL. B., National University.	D. C.	2204 Q Street.
Shreve, Charles S., Jr. LL. B., Columbian University, 1897.	D. C.	1543 8th Street.
Smith, Charles Magill LL. B., National University, 1896; LL. M., National University, 1897.	Va.	1117 G Street.
Smith, Walter Scott A. B., Lincolnton College, '96; LL. B., Columbian University, 1898.	Ala.	200 D Street.
Specht, Augustus Franklin LL. B., Columbian University, 1897; LL. M., Columbian University, 1898.	Penn.	445 N. J. Ave., S. E.
Stamper, William Stephen LL. B., Columbian University, 1898.	Va.	Dept. of Agriculture.
Stansell, Wallace K. LL. M., Georgetown University.	Ga.	1303 N Street.

Name	State	Address
Strasburger, Milton Z.	D. C.	631 H Street
J.L. B., Georgetown Univer- sity, 1897; LL. M., George- town University, 1898.		
Tait, Galen L.	Neb.	1718 Q Street.
J.L. B., Columbian Univer- sity, 1898.		
Tindal, Philip	D. C.	2103 California Ave
J.L. B., Columbian Univer- sity, 1898.		
Tralles, Forest P.	D. C.	Cor. 11th and F Sts
J.L. B., Columbian Univer- sity, 1898.		
Varney, Walter U.	Va.	St. Elmo, Va.
J.L. B., Columbian Univer- sity, 1898.		
Via, Lemuel R.	Va.	802 14th Street.
J.L. B., Georgetown Univer- sity.		
Warfield, Frederic P.	N. Y.	1916 N Street.
A. B., Hamilton College.		
Watts, Reuben B.	Ala.	Bur. of Eng. & Prog.
LL. B., Georgetown Univer- sity.		
Weare, Joseph	Ill.	Lincoln Hotel.
B. S., C. E., University of Michigan.		
Weaver, Harry O.	Ohio.	802 A Street, N. E.
LL. B., Columbian Univer- sity, 1896.		
Webster, William Grant	D. C.	
A. B., Harvard University; LL. M., Columbian Univer- sity.		
Weissenhagen, John P.	Mich.	1830 H Street
Wells, Robert Wesley....	Kans.	Hyattsville, Md.
LL. B., Kansas State Univer- sity; LL. M., Columbian University, 1898.		
Yung Kwai	China.	1506 R Street.
A. B., Yale University, 1884.		
Total.....		90

This School having been opened in 1898, there was no second-
year class.

THE MEDICAL SCHOOL.

THE FACULTY.

BENAIAH L. WHITMAN, D. D.,
President.

E. A. DE SCHWEINITZ, Ph. D., M. D.,
Dean and Professor of Chemistry and Toxicology.

J. FORD THOMPSON, M. D.,
Professor of Surgery and Clinical Professor of Surgery.

WILLIAM W. JOHNSTON, M. D.,
Professor of the Theory and Practice of Medicine and Professor
of Clinical Medicine.

ALBERT F. A. KING, A. M., M. D.,
Professor of Obstetrics and the Diseases of Women and Chil-
dren, and Dean Emeritus.

D. WEBSTER PRENTISS, A. M., M. D.,
Professor of Materia Medica and Therapeutics and Clinical
Professor.

D. KERFOOT SHUTE, A. B., M. D.,
Professor of Anatomy and Clinical Ophthalmology.

WILLIAM P. CARR, M. D.,
Professor of Physiology and Professor of Clinical Surgery.

H. C. YARROW, M. D.,
Professor of Dermatology and Clinical Dermatology.

HENRY L. E. JOHNSON, M. D.,
Professor of Gynecology and Professor of Clinical Gynecology.

THOMAS E. McARDLE, A. M., M. D.,
Professor of Minor Surgery.

WILLIAM K. BUTLER, A. M., M. D.,

Professor of Ophthalmology and Clinical Ophthalmology.

STERLING RUFFIN, M. D.,

Professor of Medical Jurisprudence.

CHARLES W. RICHARDSON, M. D.,

Professor of Laryngology and Otology and Professor
of Clinical Laryngology and Otology.

EDMUND L. TOMPKINS, M. D.,

Professor and Clinical Professor of Nervous Diseases.

A. R. SHANDS, M. D.,

Professor of Orthopedic Surgery.

JOHN VAN RENSSELAER, M. D.,

Professor of Surgical Pathology and Professor of Clinical
Surgery.

WALTER REED, M. D.,

Professor of Bacteriology and Pathology.

W. F. R. PHILLIPS, M. D.,

Professor of Hygiene.

GEORGE N. ACKER, M. D.,

Professor and Clinical Professor of Pediatrics and Professor of
Clinical Medicine.

G. WYTHE COOK, M. D.,

Professor of Clinical Medicine.

J. W. BOVÉE, M. D.,

Professor of Clinical Gynecology.

RANDOLPH B. CARMICHAEL, M. D.,

Professor of Clinical Dermatology.

T. RITCHIE STONE, M. D.,

Clinical Professor of Genito-Urinary Diseases.

GEORGE W. FOSTER, M. D.,
Professor of Mental Diseases.

W. S. WASHBURN, M. D.,
Professor of Normal Histology.

T. A. CLAYTOR, M. D.,
Professor of Clinical Medicine.

DEMONSTRATORS.

STERLING RUFFIN, M. D.,
Demonstrator of Anatomy.

E. G. SEIBERT, M. D.,
Senior Demonstrator of Chemistry.

A. L. LAWRENCE, M. D.,
Junior Demonstrator of Chemistry.

B. F. TIEFENTHALER,
Assistant.

FRANCIS P. MORGAN, M. D.,
Assistant to the Chair of Materia Medica and Therapeutics, in
charge of the Pharmacy Laboratory.

L. W. GLAZEBROOK, M. D.,
Curator of the Museum and Demonstrator of Pathological
Anatomy.

JOHN B. NICHOLS, M. D.,
Demonstrator of Normal Histology.

W. F. R. PHILLIPS, M. D.,
VIRGIL B. JACKSON, M. D.,
GEORGE B. HEINECKE, M. D.,

A. B. HOOE, M. D.,

J. E. JONES, M. D.,

R. WASHINGTON, M. D.,

A. L. LAWRENCE, M. D.,

E. E. RICHARDSON, M. D.,

Assistant Demonstrators of Anatomy.

GEORGE B. HEINECKE, M. D.,
LINCOLN JOHNSON, M. D.,
Prosecutors to the Chair of Anatomy.

JOHN R. WELLINGTON, M. D.,
FRANK LEECH, M. D.,
Demonstrators of Minor Surgery.

EDWARD E. MORSE, M. D.,
Demonstrator of Obstetrics.

JAMES CARROLL, M. D.,
Senior Demonstrator of Pathology and Bacteriology.

FRANCIS R. HAGNER, M. D.,
Junior Demonstrator of Pathology and Bacteriology.

JAMES CARROLL, M. D.,
Associate in Clinical Laboratory Instruction.

B. L. HARDIN, M. D.,
Assistant to the Chair of Practice.

O. A. McKIMMIE, M. D.,
Examiner of Applicants for Matriculation.

THE UNIVERSITY HOSPITAL.

MEDICAL BOARD.

J. FORD THOMPSON, M. D.
WILLIAM W. JOHNSTON, M. D.
ALBERT F. A. KING, A. M., M. D.
D. WEBSTER PRENTISS, A. M., M. D.
D. KERFOOT SHUTE, A. B., M. D.
E. A. DE SCHWEINITZ, Ph. D., M. D.
WILLIAM P. CARR, M. D.

EXECUTIVE COMMITTEE OF THE HOSPITAL AND DISPENSARY.

W. W. JOHNSTON, M. D., Chairman.
 A. F. A. KING, M. D. J. FORD THOMPSON, M. D.
 G. WYTHE COOK, M. D., Sec'y. C. W. RICHARDSON, M. D.
 MRS. W. H. HORKE. MRS. JOHN VAN RENSSELAER.

HOSPITAL AND DISPENSARY STAFF.

Surgery.

J. FORD THOMPSON, M. D.
 Associates: W. P. Carr, M. D., John Van Rensselaer, M. D.,
 and John Wellington, M. D. (in Dispensary). Assistant:
 F. R. Hagner, M. D.

Medicine.

WILLIAM W. JOHNSTON, M. D.
 D. W. Prentiss, M. D. (in charge of nervous diseases) Asso-
 ciates: G. N. Acker, M. D., G. Wythe Cook, M. D., and
 T. A. Claytor, M. D. (in Dispensary). Assistants: B. L.
 Hardin, M. D., and Thomas Dowling, M. D.

Obstetrics and Gynecology.

A. F. A. KING, M. D.
 Associates in Gynecology: H. L. E. Johnson, M. D., and J.
 Wesley Bovée, M. D. Assistants: H. S. Medford, M. D.,
 V. B. Jackson, M. D., and J. E. Jones, M. D.
 Associate in Obstetrics: E. E. Morse, M. D.

Diseases of the Eye.

D. K. SHUTE, M. D.
 Associate: W. K. Butler, M. D. Assistant: E. H. Newell, M. D.

Diseases of the Throat and Ear.

C. W. RICHARDSON, M. D.
 Assistant: F. P. Morgan, M. D.

Diseases of the Skin.

H. C. YARROW, M. D.
 Associate: R. B. Carmichael

Diseases of Children.

T. E. McARDLE, M. D.

Assistant: Frank Leech, M. D.

Orthopedic Surgery.

A. R. SHANDS, M. D.

Diseases of the Nervous System.

E. L. TOMPKINS, M. D., and STERLING RUFFIN, M. D.

Assistant: A. L. Lawrence, M. D.

Genito-Urinary Diseases.

T. R. STONE, M. D.

Assistant: W. T. Burch, M. D.

Clinical Laboratory.

E. A. DE SCHWEINITZ, M. D.

Associate: James E. Carroll, M. D.

Pathologist.

WALTER REED, M. D., U. S. A.

Assistant: L. W. Glazebrook, M. D.

Superintendent.

Miss A. G. ODELL.

Resident Physician.

C. S. WHITE, M. D.

The seventy-eighth course of lectures begins on Monday, October 2, 1899.

The Introductory Lecture of the Course will be delivered by Professor D. W. Prentiss, on the 2d of October, and the regular lectures will continue throughout the session, beginning at 5.30 p. m. of each week day. The laboratories are open day and evening.

DEPARTMENTS OF INSTRUCTION.

The system of instruction adopted by the Medical School of this University includes lectures on Anatomy, Physiology, Chemistry, Materia Medica and Therapeutics, Surgery, Obstetrics, the Theory and Practice of Medicine, Hygiene, Bacteriology, Otolaryngology, Gynecology, Dermatology, Ophthalmology, Mental Diseases, Medical Jurisprudence, Nervous Diseases, Paediatrics, Minor Surgery, Histology, Pathological Histology, Orthopedic Surgery, and Surgical Pathology.

Laboratory instruction is given in Chemistry, Histology and Pathological Histology, Bacteriology, Pharmacy, and Clinical Medicine.

SURGERY.

PROFESSOR THOMPSON,

Surgeon to the University Hospital, the Children's Hospital, and to the Garfield General Hospital.

The course embraces Didactic Lectures upon the Principles and Practice of Surgery, and, as far as practicable, Clinical Instruction at the School.

As Professor Thompson is the attending Surgeon of both the Children's Hospital and the Garfield Hospital, students are offered the opportunity for Clinical Instruction in these Institutions.

Every effort is made to teach Surgery in accordance with the latest developments of scientific research. At the School operations are performed upon the cadaver, and the uses of all important surgical instruments and appliances are demonstrated in the same manner.

MINOR SURGERY. — Practical class instruction is given by Professor McArdle and his assistants in the application of splints, dressings, etc., for the various surgical diseases and injuries.

THEORY AND PRACTICE OF MEDICINE.

PROFESSOR JOHNSTON,

Physician to the University Hospital, and Consulting Physician to the Children's Hospital, and to the Central Dispensary and Emergency Hospital.

The student is urged to pay special attention to the course in Histology during the second year, as this is essential to a proper

understanding of the internal diseases of the human body. The courses in pathology and bacteriology should also receive the closest study, for without a clear knowledge of these subjects no satisfactory advance can be made.

The method of instruction employed in this subject is as follows:

1. Lectures at the School, with occasional recitations.
2. Clinical lectures at the University Hospital, with practical instruction in the art of diagnosis and in the methods of taking and recording histories of medical cases.
3. Demonstration of the use of instruments of research for the clinical study of the sputum, blood, feces, etc.

OBSTETRICS AND THE DISEASES OF WOMEN AND CHILDREN

PROFESSOR KING,

Obstetrician to the University Hospital and one of the Consulting Physicians
to the Children's Hospital.

This course comprises a series of lectures on the Science and Practice of Midwifery, together with additional lectures on Gynecology. The main purpose of the lecturer is to explain, impress, and simplify the matters to be studied in the books, so as to render them more easily intelligible, and hence more pleasing and satisfactory to the student. With this view the lectures are illustrated by diagrams, models, natural preparations, manikins, and instruments.

The Demonstrator of Obstetrics, Dr. Edward E. Morse, gives cases of labor to advanced students, and demonstrates obstetric operations, and allows students to perform these operations upon the manikin, under his direction. This course is limited to fourth-year students, and all are advised to take it before becoming candidates for graduation.

In the Department of Gynecology the various instruments and appliances used in treating the diseases of women are exhibited and their uses fully explained.

MATERIA MEDICA AND THERAPEUTICS.

PROFESSOR PRENTISS.

Physician to the University Hospital and one of the Consulting Physicians to the Children's Hospital and to the Central Dispensary and Emergency Hospital.

In the course of instruction pertaining to this chair especial prominence is given to the physiological action of medicines and their therapeutic uses.

The value of a knowledge of Pharmacy and of the Natural History and Chemical Relations of the Materia Medica is not overlooked, but time does not admit of their being considered in detail in the lecture-room. Practical instruction in these subjects is given in the Pharmacy Laboratory.

The art of prescribing has a place in the consideration of individual drugs, particularly with reference to appropriate combinations, much of the success of the practitioner depending upon the practical application of his knowledge in the sick room.

The professor endeavors to make his instruction as practical as possible. The lectures are supplemented by working prescriptions and blackboard illustrations, as occasion admits. In the instruction given by this chair the metric system is used exclusively.

ANATOMY.

PROFESSOR SHUTE.

Ophthalmic Surgeon to the University Hospital and to the Washington Hospital for Eye Diseases.

This course of lectures is arranged with the view of rendering the didactic instruction in Anatomy as full and complete as the limits of the session will allow.

Sufficient knowledge of the anatomical structure of the human body may be acquired during the two courses of lectures, which each student attends, to qualify him for the practice of medicine, if at the same time he does his duty in the dissecting-room.

The lectures are illustrated by frequent reference to recent dissections and numerous drawings and diagrams. The scope

ticon is also employed constantly to present photographic views of many regions of the body.

Special attention is given during the course to the surgical and medical relations of human anatomy, which are of so great importance in the practice of the medical profession.

Public oral examinations are conducted by the lecturer from time to time.

The prosectors prepare the subject for the lecturer.

The Demonstrator of Anatomy and his assistants give their personal attention to the students in the dissecting-room.

PRACTICAL ANATOMY.—The dissecting-room of the School is large, thoroughly ventilated, well lighted, and furnished with every requisite for the convenience and comfort of the student. Anatomical material is abundantly supplied. The room is open during the day and night until 11 p. m., and on some occasions even later. It is under the supervision of the Faculty and the immediate direction of the Demonstrator of Anatomy, who is present at stated hours to give personal attention to the students and properly to instruct them in their dissections. In the absence of the Demonstrator one of his assistants will be present to instruct the classes.

CHEMISTRY AND TOXICOLOGY.

PROFESSOR DE SCHWENITZ.

In Charge of College Laboratory, University Hospital, and Director of the
Biological Laboratory, Bureau of Animal Industry, Department
of Agriculture.

This course embraces,

A short discussion of the principles of physics in their relation to chemistry, the principles of chemical philosophy, the laws of chemical combination and affinity.

The elements, metals and non-metals; their methods of isolation, properties, compounds, and reactions, are studied.

Due attention is given to organic chemistry, especially those compounds that are of use in medicine.

Laboratory instruction is given in the general methods of qualitative and quantitative analysis, volumetric analysis, toxicology, urine analysis, water analysis, and special clinical analyses.

Opportunity for advanced work in biochemistry is afforded.

PHYSIOLOGY.

PROFESSOR CARR.

Associate Surgeon to the University Hospital, and Surgeon to the Central Dispensary and Emergency Hospital.

This subject is fully presented by a two years' course of lectures, and the lectures are so illustrated by modern diagrams, models, and experiments as to make them clear in every detail. Especial emphasis is given to those truths that have a practical value.

Physiological anatomy receives special attention, and is illustrated by charts, diagrams, working models, and anatomical specimens in all cases and by demonstrations upon anesthetized living animals when necessary to a thorough understanding of the subject. Physiological anatomy is also taught by Professor Washburn in the laboratory, and an opportunity is given students to do practical physiological work as far as their time will permit.

DERMATOLOGY.

PROFESSOR YARROW.

Dermatologist to the University Hospital, and one of the Consulting Physicians to the Central Hospital and Women's Clinic.

Professor Yarrow gives lectures on this subject, illustrated by diagrams, models, photographic illustrations of disease from life, and also the exhibition of cases. In connection with the course clinical instruction is given at the Central Dispensary and Emergency Hospital and the University Hospital by Dr. Carmichael, where an abundance of material affords excellent clinical advantages.

PÆDIATRICS.

PROFESSOR ACKER.

Associate Physician to the University Hospital, and Physician to the Children's Hospital.

Professor Acker lectures upon diseases of infants and children and the importance of their proper management by diet and hygiene.

GYNECOLOGY.

PROFESSOR JOHNSON,

In Charge of the Department of Gynecology, Central Dispensary and Emergency Hospital, Associate Gynecologist, University Hospital.

The Professor amplifies his lectures on the diseases peculiar to women by clinical instruction in physical diagnosis at the Emergency Hospital each Sunday afternoon, from October to May. Operative work will be demonstrated as frequently as possible. The Professor has organized in connection with his service an outdoor maternity clinic, which is open to students.

MINOR SURGERY.

PROFESSOR McARDLE,

Perinatologist, University Hospital, and one of the Assistant Physicians to the Children's Hospital.

The course in Minor Surgery consists of lectures and practical demonstrations. Under the supervision of assistants the students themselves apply the various splints, bandages, surgical dressings, etc.

OPHTHALMOLOGY.

PROFESSOR BUTLER,

Ophthalmologist at Central Hospital, in Charge of the Lutheran Eye and Ear Infirmary, and Associate Ophthalmologist, University Hospital.

The Professor gives a didactic course on this subject, together with clinical instruction at the Lutheran Eye and Ear Infirmary.

MEDICAL JURISPRUDENCE.

PROFESSOR RUFFIN,

Associate in Nervous Diseases, University Hospital, and one of the Visiting Physicians to the Home for Incurables.

This course deals with the relations of Physicians to matters under legal investigation. It covers as fully and practically as possible the more important subjects of forensic medicine.

Students are taught to give expert testimony and how to conduct themselves as medical witnesses.

LARYNGOLOGY AND OTOTOLOGY.

PROFESSOR RICHARDSON,

Laryngologist to the University, the Providence, and the Episcopal Eye, Throat, and Ear Hospitals.

This course comprises lectures and clinical instruction on diseases of the nasal passages, pharynx, larynx, and also the ear.

Practical demonstrations are given in the use of the laryngoscope and other instruments required in these special branches.

NERVOUS DISEASES.

PROFESSOR TOMPKINS,

In charge of the Department of Nervous Diseases at the Central Dispensary and Emergency Hospital. Associate in Nervous Diseases, University Hospital.

Lectures are given upon the more common and important of these affections.

SURGICAL PATHOLOGY,

PROFESSOR VAN RENSSELAER,

Associate Surgeon, University Hospital, and one of the Surgeons of the Garfield Hospital.

The Professor gives a series of lectures upon the Pathological Anatomy of Surgical Diseases and Injuries and upon Surgical Bacteriology, illustrated by means of charts and photographs.

ORTHOPEDIC SURGERY.

PROFESSOR SHANDS,

Orthopedist, University Hospital.

This course embraces didactic lectures on the Pathology, Etiology, Course and Termination of all Chronic Joint Diseases, and, as far as practicable, with clinical instruction of treatment of the same according to the most modern orthopedic methods.

Special attention is given to the correction of all deformities, either acquired or congenital, by both mechanical and operative measures. There are afforded also practical illustrations as to applications of all the most modern orthopedic appliances.

Practical instruction is given in the application and use of plaster of Paris in treatment of Pott's Disease, Scoliosis, Club Feet, etc.

HYGIENE.

PROFESSOR PHILLIPS,

In charge of the Section of Climatology, U. S. Weather Bureau.

The course in Hygiene is directed to teaching the relations of habits and surroundings to health, and the approved methods for making both habits and surroundings contribute to the preservation of health and the prevention of disease; it comprises also the consideration of the laws of hygiene as applied to the individual and to the community.

PATHOLOGY AND BACTERIOLOGY.

PROFESSOR REED,

*Pathologist of the University Hospital, Curator of the Army Medical Museum,
and Professor of Comparative and Systematic Microscopy in the
Army Medical School.*

In this department the effort is made to give the student a practical knowledge, first, of the preparation of culture media, the principles of disinfection and sterilization, and the methods of cultivating, staining, and studying bacteria. After some familiarity with the biological characters of the pyogenic cocci has been acquired, the study of inflammation is next begun, so that the student may appreciate as fully as possible the several lesions which these microorganisms bring about in various tissues. Thereafter the courses in bacteriology and pathology are carried along, side by side, as much as possible, the specific lesions produced by a pathogenic bacterium being carefully studied in connection with its biological characters. During this course, which lasts from October to May, in addition to the process of inflammation, the diseases of the heart and blood-vessels, the lungs, the liver, kidney, spleen, and intestines are studied in succession.

as far as possible. For this purpose, sections illustrating the various diseases are carefully selected and given to the student, to be stained, mounted, and studied by himself under the immediate supervision of the instructor. These sections become thereafter the property of the student. The course terminates with the microscopic study of the several varieties of tumors.

HISTOLOGY.

PROFESSOR WASHBURN.

The study of Histology is compulsory for students in the second year of their course. Special attention is given to the manipulation of the microscope, and to that part of the technique necessary for an intelligent study of tissues. This is followed by a systematic study of the cellular structure of the elementary tissues and organs of the body. The Histological Laboratory, open both day and evening, is equipped with microscopes and accessory apparatus necessary for carrying out a thoroughly practical course of study in this subject. Examinations are held at the close of the session.

MENTAL DISEASES.

PROFESSOR FOSTER.

*Chief and Assistant Physicians to the Connecticut Hospital for the Insane,
St. Elizabeth.*

A series of lectures is given upon the subject of insanity in its varied forms. Clinical instruction is also given at the hospital.

PHARMACY.

DR. MORGAN.

Instruction in this course is directed especially to the following divisions of the subject: 1. The official preparations of the U. S. Pharmacopœia. 2. Incompatibles. 3. Prescription writing. 4. Antidotes to poisons.

Each of these subjects is taught by laboratory work and practical exercises.

LABORATORY INSTRUCTION.

The laboratories are furnished with the necessary apparatus and with all modern appliances for practical instruction in Chemistry, Bacteriology, Normal and Pathological Histology, Clinical Medicine, and Pharmacy, as above described.

The Pathological Museum is equipped with a large number of interesting and valuable specimens. Dr. L. W. Glazebrook, the Deputy Coroner of the District of Columbia, has been made Curator of the Museum, and from time to time adds valuable specimens to the collection.

CLINICAL INSTRUCTION.

Attendance upon Clinical Instruction in Medicine and Surgery, during at least two years, is required, and upon other clinics as indicated by the special clinical card. When the student presents himself for examination a certificate to this effect must be furnished.

ADMISSION.

Candidates for matriculation are required to show that they are fitted, by previous education, for the study of medicine, and for this purpose they must either submit themselves to an examination or in lieu thereof present a satisfactory certificate of their attainments.

Should an examination be necessary, it will comprise the following subjects:

1. English composition.
2. Translation of easy Latin prose.
3. Elements of Algebra or Higher Arithmetic.
4. Elementary Physics.

Students conditioned or unable to undergo the examination in Latin or in Elementary Physics may obtain instruction on these subjects during the Freshman year, and on passing a satisfactory examination before the beginning of the second year will be matriculated.

Dr. O. A. M. McKimmie, 1333 N Street, N.W., will give further information in regard to instruction in Latin, Physics, etc.

ADVANCED STANDING.

Students of other institutions who have attended one course of lectures in any regular medical school are placed upon the same footing with those who have attended one course in this School, and those who have attended two (or three) courses of lectures in any other regular college or colleges rank with those who have attended two (or three) courses in this institution, and the same privileges as regards examination are extended to them; they are admitted respectively as second, third, or fourth year students after passing a satisfactory examination upon the subjects required of our own students during the first, second, and third years, as previously described.

GRADUATION.

Candidates for the degree of Doctor of Medicine must be of good moral character and at least twenty-one years of age; they must have studied medicine four years, and must have attended four courses of lectures, the subjects arranged as follows:

First Year.

Unless otherwise stated, lectures are limited to below mentioned hours per week.

Anatomy.—Two hours before, three hours after Christmas.

Physiology.—Two hours before, three hours after Christmas.

Chemistry.—Three hours before, two hours after Christmas; three hours' laboratory work.

Maternal Medicine and Therapeutics.—Three hours before, two hours after Christmas; one hour laboratory work.

Practical Anatomy.—Dissection-room open during the day and until 11 o'clock at night.

Examination at the end of the year upon the above-named subjects.

Second Year.

Anatomy.—Two hours before, three hours after Christmas.

Physiology.—Two hours before, three hours after Christmas.

Chemistry.—Three hours before, two hours after Christmas; four hours' laboratory work.

Materia Medica and Therapeutics.—Three hours before, two hours after Christmas.

Histology.—Laboratory

Practical Anatomy.—Dissection-room open all day and until 11 o'clock at night

Examination at the end of this year upon the above-named subjects.

Third Year.

Surgery.—Three hours before, two hours after Christmas.

Medicine.—Two hours before, three hours after Christmas.

Obstetrics.—Three hours before, two after Christmas.

Minor Surgery.—One hour, from October 5 to December 14, bandaging, etc., in the manikin-room.

Dermatology.—One hour, from January 4 to March 16.

Ophthalmology.—One hour, from October 3 to December 5.

Bacteriology and Pathology.—Eight hours' laboratory work per week.

Surgical Pathology.—One hour, from October 7 to December 9.

Clinics.

Examination on the above-named subjects at the end of the year.

Fourth Year.

Surgery.—Three hours before, two hours after Christmas.

Medicine.—Two hours before, three hours after Christmas.

Clinics and laboratory instruction.

Obstetrics. Three hours before, two hours after Christmas.

Gynecology.—One hour, from January 4 to March 8.

Mental Diseases.—One hour, from January 2 to March 13.

Medical Jurisprudence.—One hour, from October 5 to December 14.

Nervous Diseases.—One hour, from January 6 to March 10.

Pediatrics.—One hour, from October 2 to December 4.

Otology and Laryngology.—One hour, from October 30 to December 18, and from January 2 to March 19.

Orthopedic Surgery.—One hour, from January 8 to March 10.

Hygiene.—One hour, from January 3 to March 7.

Clinics.

Final examination at the close of the fourth year upon the above-named subjects.

The candidate must have dissected for at least two sessions, during each of which he shall be required to dissect two "parts" of a subject, and it is recommended that he dissect three parts. He must have attended also two courses of clinical instruction in Medicine and Surgery.

One month before the close of the session he shall enter his name with the Dean of the Faculty as a candidate for graduation, and at the end of the term present himself for examination. The examination is both written and oral. The examination for the degree is held at the end of the session in May.

Graduates of other accredited medical colleges must pass a satisfactory examination on the essential branches of medicine before receiving a diploma from this University.

Students who fail to pass the examinations in the spring are allowed a reexamination in the following fall.

The diploma is granted only at the Annual Commencement and the degrees are conferred by the authority of The Columbian University, incorporated by act of the Congress of the United States of America.

THE UNIVERSITY HOSPITAL.

Clinical teaching is conducted in this hospital in conjunction with the didactic lectures in the various branches. The convenient location and the fact that the hospital is under the immediate control of the Medical Faculty offer unusual advantages to the students of this school.

GARFIELD HOSPITAL.—Clinical lectures are given regularly during the session by Professors Thompson and Van Rensselaer on Surgery, and by Professors Cook and Clayton on Medicine, Carmichael on Dermatology, and Butler on Ophthalmology. A great variety of medical and surgical diseases is to be seen in this institution, affording abundant material for clinical diagnosis and operative surgery.

CHILDREN'S HOSPITAL.—A weekly course of Medical and Surgical Clinics is given by Professors W. W. Johnston, Thompson, and Acker. An opportunity is here afforded for observing all the medical and surgical diseases, injuries, etc., to which children are liable. The Dispensary service of the Hospital is very large and instructive.

CENTRAL DISPENSARY AND EMERGENCY HOSPITAL.—Dr. H. L. E. Johnson, in charge of the department of diseases of women; Dr. Shands, on general medicine; Dr. Tompkins, in charge of nervous diseases; Dr. Carmichael, in dermatology, and Dr. Stone, in genito-urinary diseases, conduct courses of instruction in their respective branches.

PROVIDENCE HOSPITAL.—Clinical instruction, both medical and surgical, is given by the staff of this institution. Gynecological clinics by Dr. J. W. Boyce.

LUTHERAN EYE AND EAR INFIRMARY.—The diseases of the eye and ear in this hospital are demonstrated during the clinics of Professor Butler.

EPISCOPAL HOSPITAL.—Dr. Richardson shows cases of diseases of the nose, throat, and ear in the dispensary service of this hospital.

COLUMBIA HOSPITAL.—Clinics and gynecological operations by Dr. Boyce.

CLINICS GIVEN IN 1898-'99.

At the University Hospital.

Clinics were given by the different professors of the school in connection with their lectures during the term at convenient hours.

At the University Hospital Dispensary.

Surgical Diseases.—Tuesday, Thursday, and Saturday, 1 to 2 p. m.

Medical Diseases.—Tuesday, Thursday, and Saturday, 2 to 3 p. m.

Gynecology.—Wednesday and Friday, 1 to 2 p. m.

Diseases of the Eye.—Monday and Thursday, 2 to 3 p. m.

Diseases of the Ear and Throat.—Monday and Thursday, 1 to 2 p. m.

Diseases of the Skin.—Monday, 2 to 3 p. m.

Diseases of Children and Orthopedic Surgery.—Wednesday and Saturday, 2 to 3 p. m.

Nervous Diseases.—Tuesday and Friday, 2 to 3 p. m.

Genito-Urinary Diseases.—Saturday, 1 to 2 p. m.

At the Garfield Hospital.

Surgery.—Dr. Thompson, November to April. Dr. Van Rensselaer, October 1 to November 1.

Medicine.—Dr. Claytor, Tuesdays and Thursdays, 4 to 5, October 1 to November 15. Dr. Cook, Tuesdays and Thursdays, 4 to 5, January 1 to April 1.

Medical Dispensary Service.—Dr. Hardin, Mondays, Wednesdays, and Fridays at 2 p. m.

Surgical Dispensary Service.—Dr. Wellington, Tuesdays, Thursdays, and Saturdays at 2 p. m.

At the Children's Hospital.

Medicine.—Dr. Johnston, Saturdays, 4 to 5, October 1 to January 1.

Children's Diseases.—Dr. Acker, January 1 to April 1, Saturdays at 4 p. m.

Surgery.—Dr. Thompson, Tuesdays, 2 p. m., October to April. Dr. McArdle, Saturdays at 2 p. m.

Medical Dispensary Service.—Dr. Leech, Tuesdays, Thursdays, and Saturdays at 2 p. m.

Surgical Dispensary Service.—Dr. Wellington, Mondays, Wednesdays, and Fridays at 2 p. m.

At the Central Dispensary and Emergency Hospital.

Gynecology.—Dr. H. L. E. Johnson, October to April (fourth year).

Orthopedic Surgery.—Dr. Shanda, Fridays at 1 p. m.

Nervous Diseases.—Dr. Tompkins, Mondays 12 noon (fourth year).

Surgery.—Dr. W. P. Carr, daily at 2 p. m., and Thursdays at 5.30 p. m., October 1 to January 15.

Genito-Urinary.—Dr. T. R. Stone, Tuesdays 9 to 10 a. m. (fourth year).

Dermatology.—Dr. Carmichael, Mondays and Thursdays, 12 noon (third year).

At the Lutheran Dispensary.

Ophthalmology.—Dr. Butler, Tuesdays at 1 p. m. (third year).

Episcopal Eye, Ear, and Throat Hospital.

Otology and Laryngology.—Dr. Richardson, Saturdays at 1 p. m., November and December (fourth year).

*At Providence Hospital and at Columbia Hospital by Special
Invitation.*

Gynecology. Dr. Bovée, Mondays and Thursdays (fourth
year).

OBSTETRICAL DEMONSTRATIONS.

Obstetrical Demonstrations.—Dr. E. E. Morse, secured cases
for fourth-year students.

SCHEDULE OF CLINICAL INSTRUCTION.

1899-1900.

Clinics at the UNIVERSITY HOSPITAL will be given by members
of the Faculty at hours to be named at the beginning of the
course.

In addition, Surgical Clinics, by Professor Thompson, at Gar-
field Hospital and at the Children's Hospital, during the entire
course, and by Dr. Van Rensselaer at the Garfield, and by Dr.
Carr at the Emergency Hospital.

Medical Clinics, by Professor Johnston, at Children's Hos-
pital; by Professor G. Wythe Cook, at the Garfield Hospital,
and by Professor Claytor, at the Garfield Hospital.

Clinics on the special branches will be given by Professor
Acker, at the Children's Hospital, from January to April; by
Professor H. L. E. Johnson, at the Emergency Hospital, on Gyne-
cology; by Professor Richardson, on Laryngology and Otology,
at the Lutheran Eye and Ear Infirmary; by Professor Butler,
on the Diseases of the Eye, at the Lutheran Eye and Ear In-
firmary and Garfield Hospital; by Professor Tompkins, on the
Diseases of the Nervous System; Dr. Shanda, in Medicine; Dr.
J. W. Bovée, at Providence (on Gynecology); by Dr. Carmichael,
in Dermatology, and Dr. T. R. Stone, in Genito-urinary Diseases,
at the Emergency Hospital.

*Cards giving exact days and hours of all clinical instruction are
issued at the beginning of each term.*

When the student presents himself for graduation he must
furnish a certificate from Drs. Thompson, Van Rensselaer, and
Carr that he has attended two full courses of instruction in
clinical surgery, and from Drs. Johnston, Acker, Cook, and Clay-
tor that he has attended two full courses of clinical medicine.

LECTURES.—FIRST YEAR, 1899-1900.

BEFORE CHRISTMAS.

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
3 to 5		CHEMISTRY. Lower Room.		CHEMISTRY. Lower Room.		CHEMISTRY. Lower Room.
6 to 8		MATERIA MEDICA AND PHARMACEUTICS. Lower Room.	ANATOMY. Upper Room.	MATERIA MEDICA AND PHARMACEUTICS. Lower Room.		MATERIA MEDICA AND PHARMACEUTICS. Lower Room.
8 to 10	PHYSIOLOGY. Upper Room.				PHYSIOLOGY. Lower Room.	ANATOMY. Upper Room.
8 to 10	PRACTICAL ANAT- OMY.	CHEMISTRY. Laboratory.	PRACTICAL ANAT- OMY.	PRACTICAL ANAT- OMY.	PRACTICAL ANAT- OMY.	PHARMACY.

AFTER CHRISTMAS.

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
3 to 5		CHEMISTRY. Lower Room.				CHEMISTRY. Lower Room.
6 to 8		MATERIA MEDICA AND PHARMACEUTICS. Lower Room.	ANATOMY. Upper Room.		ANATOMY. Upper Room.	MATERIA MEDICA AND PHARMACEUTICS. Lower Room.
8 to 10	ANATOMY. Upper Room.		PHYSIOLOGY. Lower Room.		PHYSIOLOGY. Lower Room.	PRACTICAL ANAT- OMY.
8 to 10	PHYSIOLOGY. Lower Room.	CHEMISTRY. Laboratory.		PRACTICAL ANAT- OMY.	PHARMACY.	

LECTURES.—SECOND YEAR, 1899-1900.
BEFORE CHRISTMAS.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8-9	HISTOLOGY. Laboratory.	CHEMISTRY. Lower Room.	PRACTICAL ANAT- OMY.	CHEMISTRY. Lower Room.	HISTOLOGY Laboratory.	CHEMISTRY. Lower Room.
9-10	HISTOLOGY. Laboratory.	MATERIA MEDICA AND THERAPEUTICS. Lower Room.	ANATOMY. Upper Room.	MATERIA MEDICA AND THERAPEUTICS. Lower Room.	HISTOLOGY. Laboratory.	MATERIA MEDICA AND THERAPEUTICS. Lower Room.
10-11	PHYSIOLOGY. Upper Room.	PRACTICAL ANAT- OMY.	PRACTICAL ANAT- OMY.	CHEMISTRY. Laboratory.	PHYSIOLOGY. Lower Room.	ANATOMY. Upper Room.
8-10	PRACTICAL ANAT- OMY.			CHEMISTRY. Laboratory.		PHARMACY.

AFTER CHRISTMAS.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8-9	HISTOLOGY. Laboratory.	CHEMISTRY. Lower Room.		HISTOLOGY. Laboratory.	PRACTICAL ANAT- OMY.	CHEMISTRY. Lower Room.
9-10	HISTOLOGY. Laboratory.	MATERIA MEDICA AND THERAPEUTICS. Lower Room.	ANATOMY. Upper Room.	HISTOLOGY. Laboratory.	ANATOMY. Upper Room.	MATERIA MEDICA AND THERAPEUTICS. Lower Room.
10-11	ANATOMY. Upper Room.	PRACTICAL ANAT- OMY.	PHYSIOLOGY. Lower Room.	PRACTICAL ANAT- OMY.	PHYSIOLOGY. Lower Room.	CHEMISTRY. Laboratory.
8-10	PHYSIOLOGY. Lower Room.		PRACTICAL ANAT- OMY.		PHARMACY.	

LECTURES.—THIRD YEAR, 1899-1900.
BEFORE CHRISTMAS.

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
5.30	SURGERY Upper Room	4.30 CLINICS	SURGERY Upper Room	4.30 CLINICS	SURGERY Upper Room	4.30 CLINICS
6.30	OBSTETRICS Upper Room	OCT 3 to Dec. 8 OBSTETRIC Upper Room	OBSTETRICS Lower Room		OBSTETRICS Upper Room	OCT 2 to Dec. 9 SURGERY, PATHOLOGY Upper Room
7.30	BACTERIOLOGY Laboratory	PRACTICE Lower Room	BACTERIOLOGY Laboratory	PRACTICE Lower Room	BACTERIOLOGY Laboratory	
8.30	BACTERIOLOGY Laboratory		BACTERIOLOGY Laboratory	OCT 7 to Dec. 11 MINOR SURGERY AND BANDAGING Special Room	BACTERIOLOGY Laboratory	

AFTER CHRISTMAS.

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
5.30	SURGERY Upper Room	4.30 CLINICS	4.30 CLINICS	4.30 CLINICS	SURGERY Upper Room	4.30 CLINICS
6.30	OBSTETRICS Upper Room				OBSTETRICS Lower Room	
7.30	PATHOLOGY Laboratory	PRACTICE Lower Room	PATHOLOGY Laboratory	PRACTICE Lower Room	PATHOLOGY Laboratory	PRACTICE Lower Room
8.30	PATHOLOGY Laboratory		PATHOLOGY Laboratory	JAN 4 to March 10 PHARMACOLOGY Lower Room	PATHOLOGY Laboratory	

LECTURES.—FOURTH YEAR, 1899-1900.
BEFORE CHRISTMAS.

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SAURDAY
5.30	SURGERY Upper Room	4.30 CLINICS	SURGERY Upper Room	4.30 CLINICS	SURGERY Upper Room	4.30 CLINICS
6.30	OBSTETRICS Upper Room		OBSTETRICS Lower Room	OCT. 5 to Dec. 14 MEDICAL JURIS- PRUDENCE Upper Room	OBSTETRICS Upper Room	CLINICAL LADORA- TORY INSTRUCTION
7.30	OCT. 10 to Dec. 12 OBSTETRICS Lower Room	PRACTICE Lower Room		PRACTICE Lower Room		
8.30	OCT. 10 to Dec. 12 OBSTETRICS AND GYNÆCOLOGY Lower Room					

AFTER CHRISTMAS.

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SAURDAY
5.30	SURGERY Upper Room	4.30 CLINICS	4.30 CLINICS		SURGERY Upper Room	4.30 CLINICS
6.30	OBSTETRICS Upper Room	Jan. 5 to Mar. 7 OBSTETRICS AND GYNÆCOLOGY Upper Room	Jan. 5 to Mar. 7 OBSTETRICS AND GYNÆCOLOGY Lower Room	Jan. 14 to Mar. 18 OBSTETRICS AND GYNÆCOLOGY Upper Room	OBSTETRICS Lower Room	Jan. 4 to Mar. 7 OBSTETRICS AND GYNÆCOLOGY Upper Room
7.30	Jan. 8 to Mar. 10 OBSTETRICS AND GYNÆCOLOGY Lower Room	PRACTICE Lower Room	CLINICAL LADORA- TORY	PRACTICE Lower Room		PRACTICE Lower Room
8.30						Jan. 4 to Mar. 7 OBSTETRICS AND GYNÆCOLOGY Upper Room

UNIVERSITY LECTURES.

Students of the Medical School are admitted, without further fee, to the University Lectures. When qualified to profit by them, they may secure admission to other lectures, given in the Hall of the University, by applying to the Dean.

PRIZES.

At the end of the term a General Examination Prize of fifty dollars is awarded. It is given to the candidate for graduation who shall pass the best general examination.

The Faculty awards two additional prizes—one for proficiency in Clinical Medicine and one for proficiency in Clinical Surgery.

In addition to these, Professor H. C. Yarrow gives a prize for the best examination in Dermatology; Professor H. L. E. Johnson gives one for the best examination in Clinical Gynecology. Professor Sterling Rutlin gives one for the best examination in Medical Jurisprudence; Professor C. W. Richardson gives one for the best examination in Laryngology and Otology. Professor E. L. Tompkins gives one for the best examination in Nervous Diseases, and Professor Acker gives one for the best examination in Pediatrics.

At the commencement, in June, 1898, the General Examination Prize was awarded to W. N. Fisher, of Virginia; first honorable mention was made of George K. Baier, of the District of Columbia; second honorable mention of T. A. Groover, of Georgia, and third honorable mention of Wright Rives, of Maryland.

The Faculty Prize in Clinical Medicine was awarded to Thos. Dowling, Jr., of the District of Columbia.

The H. C. Yarrow Prize in Dermatology was awarded to B. F. Tiefenthaler, of Ohio; the H. L. E. Johnson Prize in Clinical Gynecology, to P. L. Gunckel, Kansas; the Sterling Rutlin Prize in Medical Jurisprudence was awarded to E. A. A. Cook, of the District of Columbia.

The C. W. Richardson Prize in Laryngology and Otology was awarded to G. H. Schwinn, of Maryland.

The E. L. Tompkins Prize in Nervous Diseases was awarded to F. H. Morhart, of Ohio.

The Walter Reed Prize in Bacteriology was awarded to P. W. Huntington, of the District of Columbia.

EXPENSES.

For the session of 1899-1900 and thereafter the fee for each year will be \$110. This covers all expenses, dissection and laboratories included, except breakage or loss of valuable apparatus in the laboratories. Each graduate pays a \$5 fee for diploma. Of this amount at least \$25 must be paid upon entrance and before beginning dissection.

A deposit is required to defray the expense of apparatus destroyed in the chemical and other laboratories.

For special courses the following fees will be charged.

Matriculation fee, payable only once.....	\$5 00
Single tickets.....	25 00
Practical Anatomy, by the Demonstrator.....	10 00
Laboratory tickets, each, per year.....	10 00

Payment of the fees is required in all cases, and must be made at the commencement of the session, unless there are special arrangements with the Dean to suit the convenience of the student.

The prices of board range from \$12 to \$30 per month, and rooms may be obtained for \$10 and upward per month, according to location, etc.

SCHOLARSHIPS.

By virtue of a liberal endowment from the late Mr. W. W. Corcoran, this School is enabled to offer six free Scholarships.

Two of these Scholarships are open for competitive examination to the graduates of the several High Schools of the District of Columbia. These two Scholarships are awarded to the two students whose averages are highest.

Two of the Scholarships are open for competitive examination to graduates of any reputable High School or College (preference being given to those in the District of Columbia) who shall give satisfactory written evidence of pecuniary inability and certificates of good moral character and industry. These two Scholarships are awarded to the two graduates whose averages are highest.

The remaining two Scholarships are open for competitive examination to students who, though not graduates of any

High School or College, yet give satisfactory evidence that they are fitted by previous education for the study of medicine, and at the same time give satisfactory written evidence of pecuniary inability and certificates of good moral character and industry. These two Scholarships are awarded to the two students whose averages are highest.

In addition to the above mentioned six Coreoran Scholarships, the Faculty offer two Medical Missionary Scholarships, which shall be given to those applicants judged by the President of the University best qualified to enter the study of medicine for the purpose of becoming medical missionaries.

Applications should be addressed to the Dean and sent in not later than the first of September.

The School Building is situated opposite a Government reservation, at No. 1325 H Street, N. W. The UNIVERSITY HOSPITAL at 1335 H Street, N. W., within half a square of three lines of street cars going to every part of the city.

Students desiring further information are requested to address

Dr. E. A. DE SCHWEINITZ, *Dean*,

1325 H Street, N. W.

STUDENTS IN MEDICINE.

First Year Students

Name.	State.	Address.
Anderson, U. G.	N. J.	935 Pa. Avenue
Boag, John.	Ga.	623 4th Street
Conyngton, Wm.	Texas	Navy Yard.
Crook, Harrison E.	D. C.	Geological Survey.
Cunningham, C. G.	N. Y.	918 Mass. Ave.
Embrey, E. R. S.	Va.	611 E Street, S. E.
Emery, O. V.	Pa.	Treasury Department.
Fitch, Arthur C.	N. Y.	1008 F Street
Fitch, Fredrick A.	Ky.	1325 Vermont Ave.
Foust, Earl H.	Mich.	810 9th Street, N. E.
Fry, Samuel.	La.	Post Office Dept.
Grant, J. L.	Va.	
Green, R. J.	D. C.	St. Elizabeth Hosp.

Name	State	Address
Gilbert, A. L.	Va.	1308 B Street, S. E.
Gilchrist, Edgar Y.	Md.	652 Mass. Ave., N. E.
Gilasecock, Alfred	Va.	1709 21st Street.
Halstead, Griffin	Ohio	1029 Conn. Avenue.
Hathaway, W. A.	Pa.	1112 13th Street
Hudson, Edward C.	Texas	316 C Street.
Houghton, M. W.	D. C.	1830 14th Street.
Jewett, Henry M.	N. H.	509 1st Street, N. E.
Jones, E. B.	Ind.	Agricultural Dept.
Laird, J. Packard	Va.	Keene, Va.
Lynch, J. Mortimer	Texas	1423 Q Street
Lawton, E. M.	D. C.	1443 24th Street.
Landville, Thomas	N. C.	921 I Street.
Little, Richard M.	Ohio	519 East Capitol St.
McClanahan, A. L.	Va.	2927 M Street.
McDaniel, J. M.	S. C.	The Genoa.
McGeary, T. J.	Pa.	712 11th Street.
McGraw, J. E.	D. C.	830 D Street, S. E.
McKee, J. M.	N. Y.	2123 K Street
Norcross, Alfred C.	Pa.	620 I Street.
Parsells, Chas. W.	N. Y.	723 18th Street.
Price, M. H.	Va.	1255 H Street, N. E.
Pipes, H. F.	W. Va.	1542 7th Street.
Perry, Edward L.	Mass.	
Poole, F. H.	Texas	807 9th Street.
Pulliam, J. M.	Va.	St. Elizabeth Hosp.
Prevatt, J. T.	Ga.	1304 I Street.
Ransdell, R. C.	Ind.	1422 N Street.
Rogers, J. D.	D. C.	721 8th Street
Reddy, Owen W.	Mass.	202 Del. Ave., N. E.
Robey, W. I.	Va.	222 East Capitol St.
Smith, Jos. W.	Md.	Frederick, Md.
Smith, L. Conway	Va.	Alexandria, Va.
Stetson, Thos.	D. C.	1324 12th Street.
Tinker, B. L.	Pa.	810 9th Street, N. E.
Tyree, W. R., Jr.	D. C.	1347 Md. Ave., N. E.
Williams, J. H.	Ga.	1520 Corcoran Street.
Wood, W. C.	Kan.	1420 5th Street.
Worthley, M. L.	Pa.	2218 6th Street.

Second Year Students.

Name	State	Address.
Adamson, J. H.	Va.	Alexandria, Va.
Atherton, B. E.	Ga.	1615 Marion Street.
Barnes, Geo. S.	S. C.	1517 I Street.
Beard, W. H.	D. C.	1315 N Street.
Bennett, A. B., Jr.	D. C.	Station A.
Bone, B. F.	D. C.	Wash'n Barracks.
Brown, T. J. W.	Tenn.	1112 13th Street, N. E.
Brearden, R.	Wis.	Weather Bureau.
Carswell, F. L.	Ga.	1002 N Street.
Collins, H. F.	D. C.	125 10th Street, N. E.
Costello, M. E.	Md.	Hyattsville, Md.
Coyert, J. R.	D. C.	Takoma Park.
Clayton, G. L.	Ia.	1364 H Street.
Cummings, A. J.	Md.	Chevy Chase.
Davis, W. T.	Ky.	1005 8th Street.
Eastman, W. R.	Va.	Falls Church.
Freeman, P. L.	Md.	516 11th Street, S. E.
Foster, C. L.	Miss.	1226 12th Street.
Georges, F.	Greece	Greece.
Grasty, T. S. D.	Va.	625 Q Street.
Harlan, T.	D. C.	
Hoadley, A. M.	N. Y.	241 Pa Avenue.
Hayes, M. W.	N. C.	2133 F Street.
Knowlton, J. W.	Mass.	1213 I Street.
Kittredge, H. E.	Vt.	1027 8th Street.
Kirkendall, H. J.	Pa.	2618 K Street.
Lewis, G. E.	Mass.	1327 Whitney Ave.
Leech, W. V.	Md.	712 7th Street, N. E.
Love, S. W. E.	Md.	221 9th Street, N. E.
Leatherman, R. E.	D. C.	1413 Q Street.
Mason, E. L.	Va.	Children's Hospital.
Mattingly, G. D.	Md.	708 N. C. Ave., S. E.
March, Harry A.	Ohio.	906 I Street.
Marshall, J. W.	Idaho.	1316 L Street.
Magruder, E. P.	Md.	1220 H Street.
Moore, E. B.	D. C.	The Savoy.
Morris, S. J.	Ohio.	1615 1st Street, N. E.
Morton, Baxter	Ia.	Patent Office.

Name	State	Address
Murray, A.	Va.	Alexandria, Va.
Mitchell, J. E.	Md.	407 Pa. Avenue.
McMichael, S. J.	S. C.	2110 K Street.
Nelson, A. T.	Va.	1506 6th Street.
Perlie, H. E.	Mass.	924 14th Street.
Pyles, W. L.	D. C.	224 11th Street, S. E.
Perkins, W. R.	Md.	627 Pa. Avenue.
Pierce, W. F.	D. C. ....	.....
Pollard, W. T.	Va.	Alexandria, Va.
Quinn, W. A.	D. C.	436 H Street.
Reed, D. H. ....	.....	901 French Street.
Riley, B. P.	Md.	Oakdale, Md.
Rutlin, Geo. M.	N. C.	1023 Vermont Ave.
Russell, R. L.	D. C.	10 7th Street, N. E.
Rucker, H. C.	Va.	214 E Street.
Ryder, L. W.	Conn.	Marine Hospital.
Tobias, H. W.	Pa.	Treasury Departm't.
Turner, K. B.	Kan.	932 K Street.
West, R. T.	Md.	Ashton, Md.
Williams, J. M.	Va.	Alexandria, Va.
Wimberly, G. W.	Ga.	1422 30th Street.
Zynaga, A. C.	D. C.	Brooklyn, D. C.

Third Year Students.

Name	State	Address
Atkinson, J. F.	Ind. ....	.....
Barron, N. I.	Ala.	902 G Street.
Beale, R.	D. C.	3062 I Street.
Beall, C. M.	D. C.	1469 Kenesaw Ave.
Brown, O. G.	D. C.	1357 Roanoke Street.
Brown, H. L.	D. C.	230 North Capitol St.
Bradshaw, G. M. B.	Pa.	War Department.
Birtwell, D. T.	Pa.	1309 H Street.
Cuthbertson, C. W.	N. C.	622 E Street.
Clark, C. P.	Miss.	626 I Street.
Clark, W. S.	N. Y.	819 13th Street.
Copeland, E. P.	D. C.	507 C Street, S. E.
Dixon, T. B.	D. C.	445 O Street.
Dailey, W. E.	Miss.	1312 Q Street.

Name	State	Address
Ford, R. H.	D. C.	Geological Survey.
Griffith, W. E.	Pa.	420 11th Street, N. E.
Greene, H. S.	Vermont	1320 Q Street.
Greenstreet, A. G.	Mo.	7 Grant Place.
Gardner, D. M.	Mass.	808 11th Street.
Heath, F. C.	Md.	1010 H Street.
Hales, R. A.	N. C.	1325 12th St., N. E.
Johnson, F. T.	Mich.	1400 Staughton St.
Kleiner, R.	Md.	725 12th Street.
Kemp, T. J.	Neb.	Treasury Departm't.
Manning, H. M.	D. C.	637 Maryland Ave.
Main, R. B.	D. C.	2009 Mass. Avenue.
Mason, S. M.	Va.	1827 H Street.
Macatee, H. C.	Va.	3 Thomas Circle.
Murdock, L. H.	Neb.	1918 2d Street.
Moulden, W. R.	D. C.	1305 R. I. Avenue.
Price, H. M.	D. C.	426 7th Street, S. W.
Prentiss, E. C.	D. C.	1218 9th Street.
Ragan, C. A.	Tenn.	224 14th Street.
Reis, Henry, Jr.	Ohio.	Garfield Hospital.
Riggles, J. L.	D. C.	445 O Street.
Robinson, G. M.	Pa.	1313 H Street.
Schlaar, W. F.	N. Y.	800 O Street.
Smith, C. T.	Va.	30 Grant Place.
Simmons, M. J.	Md.	1411 Corcoran St.
Stewart, J. W.	N. C.	1309 H Street.
Westlake, A. J.	N. C.	304 L Street.
Webb, C. R.	Tenn.	1115 R. I. Ave.

Fourth Year Students.

Name	State	Address
Allen, J. H.	Tenn.	1418 L Street.
Andrews, W. T.	Mich.	1924 3d Street.
Baker, Osmyn	N. J.	609 E Street.
Blye, B. F.	N. Y.	1321 Wallach Place.
Blackburn, S. A.	Ky.	472 Louisiana Ave.
Butz, A. D.	Pa.	Eastern Dispensary.
Buher, A. R.	Oregon.	Civil Service Com'n.
Coleman, C. O.	Va.	

Name	State	Address
Cox, P. M.	Md.	519 I. Street.
Fadeley, F. F.	Va.	223 N. Street.
Gallinger, W. H.	N. H.	The Elsmere.
Grubba, R. B.	Va.	1460 Corcoran St.
Gibson, F. E.	D. C.	927 I. Street.
Gunion, J.	D. C.	927 O. Street.
Gotwald, L. M.	Pa.	1230 11th Street.
Gotta, R. C.	Pa.	818 N. J. Ave.
Graham, H. H.	Ohio.	305 H. Street.
Hester, F. D.	Va.	The Portland.
Hodes, H. K.	N. Y.	725 13th Street.
Key, Sothoron	Md.	1807 G. Street.
Leith, A. T.	Wis.	1481 Florida Ave.
May, H. A.	N. Y.	1826 9th Street.
Mason, O. J.	N. Y.	1320 I. Street.
Mathews, W. W.	La.	
Medley, W. W.	Va.	1007 13th Street.
Musgrave, W. E.	Tenn.	Wash'n Barracks.
McKeldin, R. A. W.	Ind.	1242 Md. Ave., N. E.
McIntee, M. J.	Mass.	1330 New York Ave.
McKee, W. P.	D. C.	809 224 Street.
Perry, C. R.	Va.	2022 G. Street.
Perkins, Joseph.	Ill.	725 13th Street.
Prentiss, D. W.	D. C.	1218 9th Street.
Porter, H. F.	N. Y.	3035 O. Street.
Reichelderfer, L. H.	Ohio.	1309 17th Street.
Rittenour, A. A.	Va.	Alexandria, Va.
Riley, P. C.	Md.	Children's Hospital.
Sellhausen, H. A.	D. C.	510 D. Street, S. E.
Stearns, J. W.	D. C.	1756 Madison Street.
Snoddy, T. B.	Tenn.	1217 K. Street.
Sheridan, C. J.	N. Y.	"The Kenmore."
Sims, W. E.	S. C.	519 I. Street.
Smith, H. W.	Pa.	Navy Department.
Smith, W. T.	Ga.	1404 I. Street.
Stromberger, H. H.	D. C.	642 C. Street, N. E.
Tappan, J. C.	D. C.	507 B. Street, S. E.
Taylor, A. A.	Ohio.	915 I. Street.
Tiefenthaler, B. F.	Ohio.	516 10th Street.

Name	State	Address
Ward, W. K.	D. C.	1756 Pa. Avenue.
Williams, W. C.	D. C.	United States Jail.
Worstell, G.	Texas	436 H Street.
Wyeth, L. J.	Ill.	2022 R Street.

Special Students.

Name	State	Address
Atwood, B. F., M. D.	Wash'n	Barracks.
Briggs, L. V.	Mass.	
Benton, Dr.	N. Y.	Navy Yard.
Brown, L. S., Jr.		1509 13th Street.
Dorsett, M., M. D.	Pa.	Agriculture Dept.
Esterly, B. H.		1115 E. Capitol St.
Newburn, J. M., M. D.	D. C.	1112 13th Street.
McDonald, P. E., M. D.	Ga.	1418 L Street.

Total. 213

TEXT-BOOKS AND WORKS OF REFERENCE.

- ANATOMY.—*Gray's*,* *Morris'*, or *Quains' Anatomy*; *Holden's Manual of Dissection*; *Haynes' Manual of Anatomy*; *Wiedersheim's Structure of Man*.
- PHYSIOLOGY.—*Flint's*, *Kirke's*, *Foster's* or *Yeo's Physiology*.
- CHEMISTRY.—*Richter's*, *Remsen's*, *Simon's*, *Fowne's Chemistry*; *Bowman's Medical Chemistry*; *Witthaus' Chemistry*; *Purdy's Ureanalysis*; *Remsen's Organic Chemistry*.
- MATERIA MEDICA.—*H. C. Wood's Therapeutics*; *National Dispensatory*; *Ede's Therapeutics*.
- SURGERY.—*Aschurst's*, *Gross' System of Surgery*; *Erichsen's or Cruikshank's Surgery*; *Principles of Surgery*, *Senn*.
- PRACTICE OF MEDICINE.—*Osler*; *Wood and Fitz*; *Tyson*; *Anders*, *American System of Practical Medicine* [*Loomis-Thompson*]; *Da Costa's Diagnosis*; *Musser's Diagnosis*; *Clinical Diagnosis*, *Simon*; *Klemperer*; *Clinical Examination of the Blood*, *Cabot*; *Applied Therapeutics*, *Wilson*.

* The works first named and in italics are preferred.

OBSTETRICS.—*Playfair*, Lusk, or Parvin's Obstetrics; American Text-book of Obstetrics (Saunders); Obstetric Surgery, by Grandin and Jarman; A. F. A. King's Manual of Obstetrics.

GYNECOLOGY.—*Garrigue on Diseases of Women*; Thomas and Mundé's Work; H. T. Byford's Manual of Gynecology.

DISEASES OF CHILDREN.—*Holt on Diseases of Infants and Children*; J. Lewis Smith; Meigs and Pepper; Rotch's Work.

HISTOLOGY.—Piersol's Normal Histology; Schäfer or Clarkson's.

PATHOLOGY AND BACTERIOLOGY.—Abbott's Principles of Bacteriology; Ziegler's Pathological Anatomy.

HYGIENE.—Parks' Practical Hygiene; Stephenson and Murphy's Treatise on Hygiene and Public Health; Egbert's Hygiene.

DERMATOLOGY.—Hyde's Diseases of the Skin; Jackson's Diseases of the Skin; Duhring's Diseases of the Skin.

OPHTHALMOLOGY.—Nettleship, De Schweinitz, or Fick.

MINOR SURGERY.—Wharton.

NERVOUS DISEASES.—Gray, Mills, Dana, Hammond, Rounney.

MENTAL DISEASES.—Beaven Lewis.

ORTHOPEDIC SURGERY.—Bradford and Lovett's or Young's Orthopedic Surgery.

LARYNGOLOGY AND OTOTOLOGY.—Bacon, Buck; Dench on the Ear; Seiler and F. S. Bishop on Throat Diseases.

MEDICAL JURISPRUDENCE.—*Reese*; Taylor's Manual; Witthaus and Becker.

DICTIONARIES.—Dunglison's, Duane's, Foster's, or Gould's.

THE DENTAL SCHOOL.

THE FACULTY.

BENAIAH L. WHITMAN, D. D.,
President.

J. HALL LEWIS, D. D. S.,
Dean, and Professor of Dental Prosthetics.

HENRY C. THOMPSON, D. D. S.,
Professor of Operative Dentistry.

D. WEBSTER PRENTISS, M. D.,
Professor of Materia Medica and Therapeutics.

D. KERFOOT SHUTE, M. D.,
Professor of Anatomy.

EMIL A. DE SCHWEINITZ, M. D.,
Professor of Chemistry.

WILLIAM P. CARR, M. D.,
Professor of Physiology.

JONATHAN R. HAGAN, D. D. S.,
Professor of Oral Surgery.

STERLING RUFFIN, M. D.,
Demonstrator of Anatomy.

WILLIAM S. WASHBURN, M. D.,
Professor of Normal Histology.

WALTER REED, M. D.,
Professor of Pathology and Bacteriology.

WILLIAM H. TRAIL, D. D. S.,

R. E. L. HACKNEY, D. D. S.,

CHARLES R. RICE, D. D. S.,

H. W. JOHNSON, D. D. S.,

Demonstrators, in Charge of Intimary.

COURSES OF INSTRUCTION.

The Regular Course of Lectures begins on October 2, 1899, and continues seven months.

The Introductory Lecture of the Course will be delivered by Dr. H. C. Thompson, on the above date, and the regular Lectures will continue throughout the session, beginning at 5.30 p. m. of each week day.

The courses of instruction extend through three years, and are arranged as follows:

First Year.—Anatomy, Physiology, Chemistry, and Materia Medica, together with Practical Anatomy, Operative and Prosthetic Technics, and such Infirmary work as is suitable for first-year students.

Second Year.—The subjects of the first year are continued, and to these are added Operative Dentistry, Prosthetic Dentistry, and Histology, with more advanced Infirmary work.

Third Year.—This year is devoted to Operative and Prosthetic Dentistry, Oral Surgery, and Bacteriology. An examination is held at the end of each year on all subjects taught during that year.

As, however, no amount of scientific attainment can compensate for lack of manipulative skill, a large part of the student's time is devoted to actual practice in the Infirmary, for which purpose the large and centrally located Dental School building gives ample opportunities.

The operating-room fronts on one of the Government reservations, and thus has a full, unobstructed light, so desirable in dental operations. It is furnished with all necessary appliances that will enable a student to acquire the knowledge of office practice, as well as a diversity of clinical experience.

A large, comfortable, and well-lighted Dental Laboratory is supplied with all the requirements for the successful practice of Prosthetic Dentistry, and lockers are available for the safe keeping of instruments belonging to the students.

The extracting room is separate from the others, and is fitted up for the proper administration of the various anesthetics, under the immediate supervision of a demonstrator thoroughly skilled in their application.

Special attention is called to the thoroughness of the practical instruction in the Infirmary, which is under the immediate supervision of Professor Lewis and Drs. Trail and Hackney, the Demonstrators in charge. They are in constant attendance during the entire term, directing and overseeing the operations of the students, who thus have the benefit of their many years of experience in Dental Practice.

The Infirmary is open every week day for nine continuous months (being closed during the months of July, August, and September), during which time an abundance of clinical material is readily available. In fact, fully as many patients present themselves as can possibly be attended to by the students.

The student has, therefore, the privilege of twenty-seven months' actual practice in the Infirmary, during which time he may become proficient in all those operations which the dental surgeon is ordinarily called upon to perform in office practice.

This School complies with all the requirements of the National Association of Dental Faculties, and also with those of the National Association of Dental Examiners, provided the requirements of the latter do not conflict with those of the former.

PROSTHETIC DENTISTRY AND METALLURGY.

PROFESSOR LEWIS.

In this department the principles involved in the construction of artificial substitutes are exhaustively considered, and the lectures supplemented by practical demonstrations of the subjects mentioned.

In addition to the more commonly used vegetable bases for artificial teeth, the use of Gold, Silver, and Platinum is thoroughly taught, and Bridge Work, the construction of appliances for correcting Oral Irregularities, etc., are carefully considered.

The modes of preparation, properties, etc., of the Metals and Alloys of particular interest to the Dentist receive special attention.

The professor endeavors to make his instruction thoroughly practical, and to prepare the student for the actual every-day practice of Prosthetic Dentistry.

OPERATIVE DENTISTRY, DENTAL ANATOMY, AND PATHOLOGY.

PROFESSOR THOMPSON.

This course embraces lectures on the Special Anatomy and Physiology of the Teeth. The origin, growth, and eruption of the teeth receive minute attention, and are illustrated as their importance demands.

The methods of treating, filling, and extracting teeth receive attention in the lecture-room, and are demonstrated clinically by gentlemen whose reputations are fully established as proficient operators. Extended consideration is given to Dental Pathology and Therapeutics.

CHEMISTRY.

PROFESSOR DE SCHWEINITZ.

The instruction in this department embraces -

A short discussion of the principles of Physics in their relation to Chemistry, the principles of Chemical Philosophy, and the laws of Chemical Combination.

A study of the elements, metallic and non-metallic; the preparation, properties, and reaction of their different compounds and their application in Dentistry.

Organic Chemistry is studied with special attention to those organic compounds that are of practical use.

Laboratory instruction is given in the determination of acids and bases, analyses of alloys, etc.

PHYSIOLOGY.

PROFESSOR CARR.

The subject is fully covered by a two years' course of lectures, and these lectures are so illustrated by modern diagrams, models, and experiments as to make them clear in every detail. Emphasis is given to those truths that have a known practical value.

MATERIA MEDICA AND THERAPEUTICS.

PROFESSOR PRENTISS.

In this course of instruction especial prominence is given to the physiological action of medicines and their therapeutic uses.

The professor endeavors to make his instruction as practical as possible. The Lectures are supplemented by working prescriptions and blackboard illustrations, as occasion will admit. The student is taught also the use of the Metric System in Medicine.

In the Pharmaceutical Laboratory the students are taught the methods of making different preparations, such as infusions, decoctions, tinctures, syrups, and the like. They are also taught the compounding of prescriptions, the proper excipients for pills, incompatibles (especially such as produce dangerous compounds), and are expected actually to compound working formulae.

ANATOMY.

PROFESSOR SHUTE.

This course of lectures is arranged with the view to render the didactic instruction in Anatomy as full and complete as the limits of the session will allow.

The lectures are illustrated by frequent reference to recent dissections and numerous drawings and diagrams. The serap-ticon also is constantly employed to present photographic views of many regions of the body.

Public oral examinations are conducted by the Lecturer from time to time.

The Prosectors to the Chair of Anatomy prepare the subject for the Lecturer.

The Demonstrator of Anatomy and his assistants give their personal attention to the students in the dissecting room.

Practical Anatomy.

The dissecting room is large, thoroughly ventilated, well lighted, and furnished with every requisite for the convenience and comfort of the student. Anatomical material is abundantly supplied.

free of charge. The room is open during the day and at night until 11 p. m., or even later on some occasions. It is under the supervision of the Faculty and the immediate direction of the Demonstrator of Anatomy, who, with his assistants, is present at stated hours to give his personal attention to the students and to instruct his classes in their dissections.

ORAL SURGERY.

PROFESSOR HAGAN.

A full course of Lectures upon this subject is given, and arrangements have been made for Clinical Demonstrations in the Infirmary, in order to teach more thoroughly this interesting branch of General Dentistry.

HISTOLOGY.

PROFESSOR WASHBURN.

The Histological Course embraces a thorough study of the general use of the microscope and a special examination of the origin and formation of the teeth, the minute parts of these organs, and the surrounding tissues.

BACTERIOLOGY.

PROFESSOR REED.

The course is begun with a consideration of the principles involved in the process of sterilization by dry and moist heat, the relative value and mode of application of each, and an explanation of the construction of the apparatus employed for the purpose. The use and construction of the thermostat is taken up at the same time and the student taught how he can dispense with these costly appliances in emergencies.

The composition and modes of preparation of the various nutritive media are next considered, working formulas given, and the students required to prepare them at least once in the laboratory. This is followed by a discussion of bacteria as a class, their position in the biological world, their classification, distribution, and the general and special characters that belong to them.

After this preparatory training the various methods in use for the isolation and study of bacteria are taught by practical demonstration and practised by the students, after which the most important pyogenic organisms are studied in detail, giving special attention to those found in the nasal and oral cavities.

The aim of the course is chiefly to afford the students an opportunity to become practically familiar with bacteriological working methods, and to enable them to isolate and identify the bacteria present in suppurative processes, as well as to comprehend intelligently the references to micro-organisms in the current professional literature of the day.

ADMISSION.

Candidates for admission must show, either by examination or by the exhibit of a diploma or a certificate from some reputable institution of learning, that they have received a good English education, according to the requirements of the National Association of Dental Faculties.

ADVANCED STANDING.

The following is considered as equivalent to one course in this School:

A diploma from a recognized medical school, undergraduate tickets of the same, or satisfactory evidence that the student has passed the first-year examination in some other reputable dental school.

The following is considered as equivalent to two courses in this School:

A diploma from a reputable dental college or evidence of having passed the second year examination in the same.

Graduates from schools of pharmacy and veterinary medicine may enter the Junior Class after passing a satisfactory examination in the first-year studies.

GRADUATION.

Candidates for graduation must have attended three full courses of lectures, each of seven months' duration, and three

courses of Clinical Instruction in this Institution, during the regular winter term and in separate years, with the exceptions noted below.

Before becoming eligible for graduation, all medical graduates and students must take two full courses upon Operative and Prosthetic Dentistry, and conform to the usual Infirmary requirements.

Students are examined at the end of the regular course upon all subjects taught them during that course.

Should the student fail in his examination in the spring, he may be reexamined in the fall.

Students may go up for examination only in the spring and fall and upon the dates regularly selected for that purpose.

All fees must be paid and Infirmary requirements complied with before the student may present himself for examination.

Students must enter before or ten days after the opening lecture of the regular Winter Course. They may register at any time during the nine months' Infirmary Course, and thus begin Infirmary practice at once upon payment of twenty-five dollars, which amount will be deducted from their tuition fees for the succeeding regular term.

The candidate must be examined upon all subjects taught in this School, with exceptions noted above, and before the examination he must perform operations upon the natural organs in the Infirmary, and present the School Museum a well-constructed specimen of dental mechanism made by himself in the Dental Laboratory of the University.

In addition to the above requirements, the moral character and habits of the candidate, his industry, and diligent attendance will be taken into consideration. Notable negligence, immorality, and habitual absence from the lectures will preclude the candidate from attaining his degree, even though he may have acquired sufficient technical knowledge to pass a creditable examination. This reservation on the part of the Faculty of the right to make good moral character a prerequisite for graduation must not be overlooked.

The student also, during and between the School sessions, must comply with the State laws regulating the practice of Dentistry, and act in accordance with the recognized code of ethics of the dental profession.

Candidates for graduation in the Dental School who desire to obtain a medical degree thereafter may be admitted to the medical examination on the primary branches at the termination of their second dental course, provided that, one month before the spring examinations, they give to the Dean written notice of their intention, and provided also that they have complied with the requirements of the Medical School as regards Dissection, the study of Histology, etc.

The degrees are conferred by the authority of The Columbian University, incorporated by act of Congress of the United States.

FACULTY PRIZE.

A prize will be given by the Faculty to the graduate passing the best examination in all branches and having the best Infirmary record. At the last commencement the prize was awarded to C. D. Keefer, of the District of Columbia.

UNIVERSITY LECTURES.

Students of the Dental School are admitted, without further fee, to the University Lectures. When qualified to profit by them, they can secure admission to other lectures given in the Hall of the University by applying to the Dean.

EXPENSES.

First Year.....	\$100 00
Second Year.....	100 00
Third Year.....	110 00

The above includes all the tuition expenses. There are no extras whatever. The Dissection Material, Chemicals, Instruction in the Histological, Pharmaceutical, and Chemical Laboratories and Dental Infirmary are all furnished to the students free of charge.

Each student must furnish his own books and dental instruments.

The student is required to make a payment upon registering, and twenty-five dollars must be paid before he may avail himself of Laboratory and Infirmary instruction.

The prices of board and all other personal expenses are as reasonable in Washington as in other large cities.

The Dean may be seen personally at 1023 Vermont avenue, on any week day, from 3.30 to 4.30 p. m., and also at the Dental School Building, 1325 H Street, N. W., on Monday, Wednesday, and Friday of each week, from October 1 to May 1, between the hours of 6.30 and 8 o'clock p. m.

For further information regarding the Dental School, application may be made to

J. HALL LEWIS, *Dean.*

1023 Vermont Avenue, Washington, D. C.

STUDENTS OF DENTISTRY.

Freshmen.

<i>Name.</i>	<i>State.</i>	<i>Address.</i>
Butz, Ernest M.....	Pa.	944 New York Ave.
Brown, Samuel T.....	Ill.	728 17th Street.
Birch, J. Vintern.....	D. C.	1601 31st Street.
Cox, Geo. W., Jr.....	D. C.	2821 14th Street.
Crnikshank, John C.....	Pa.	261 K Street.
De Farges, J. R.....	Va.	1731 13th Street.
Galetzo, Wm. F.....	Md.	19 Grant Street.
Grosor, Siegfried O.	Mich.	1329 C Street.
Hazelbarth, A. L.	Pa.	439 Warner Street.
Humeston, C. A.....	Conn.	1216 G Street.
Hasselbach, Charles M.....	N. J.	813 G Street, N. E.
Lamkin, L. G.....	Miss.	1104 12th Street.
Murdoch, J. C.	Ill.	1942 2d Street.
Miller, Paul H.	D. C.	905 C Street, N. E.
Prevatt, James T.....	Ga.	1304 L Street.
Rose, William.....	Md.	1533 15th Street.
Richardson, R. G.....	Md.	Hyattsville, Md.
Reiss, Walter A.		703 9th Street, N. E.
Smith, Howard F.....	Mass.	921 11th Street.
Warler, John H.....	Conn.	323 1st Street, N. E.
White, G. Harris..	D. C.	1105 E Street, S. W.
Yount, M.....	D. C.	609 G Street.

Juniors.

Name	State	Address
Bridger, J. D.	Miss.	The Fredonia.
Barr, W. C.	Ill.	Congress'l Library.
Bacon, A. P.	Iowa.	The Varnum.
Crabbe, W. G.	Unh.	9 4th Street, N. E.
Colvin, E. M.	Va.	2530 I. Street.
Fred, Thos. W.*	Va.	721 8th Street.
Green, E. G.	Maine.	209 13th Street, S. W.
Gardner, B. A.	N. Y.	7 4th Street, N. E.
Grubbs, R. B.	Ala.	1460 Corcoran Street.
Hughes, Charles A.	Tenn.	403 M Street.
McClenahan, J. T.	N. C.	503 I. Street.
McIntee, A. J.	Mass.	1750 Q Street.
Otterback, M.	D. C.	503 C Street, S. E.
Perlie, H. E.	Mass.	924 14th Street.
Putnam, C. A.	Maine.	3608 13th Street.
Van Voorhis, H. M.	Pa.	308 7th Street, N. E.
Van Zant, C. A.	Ohio.	928 New York Ave.
Welch, Frank.	Del.	723 18th Street.
Wolven, Frank H.	N. J.	1309 H Street.

Seniors.

Name	State	Address
Aler, Samuel E.	W. Va.	611 N Street.
Bennett, Arthur.	Ga.	4 Lafayette Square.
Brengle, Paris E.	Md.	450 P Street.
Cuevas, Enrique.	Chili.	
Cuthbertson, Charles W.	N. C.	622 E Street.
Fisher, William C.	D. C.	3250 O Street.
Gates, Thomas J.	Md.	10 B G Street, S. E.
Hoofnagle, W. B.	Md.	1093 East Capitol St.
King, E. M.	W. Va.	103 2d Street, N. E.
Kemball, W. M.	Wis.	213 Elm Street.
McChesney, J. R.	Md.	Chillum, Md.
Pool, Stephen D.	La.	1110 6th Street.
Pairo, W. E.	Va.	1953 3d Street.
Rice, Thomas M.	Pa.	418 A Street, S. E.

* Not by constant attendance.

Name.	State.	Address.
Rawson, William A.....	Mich.....	1237 10th Street.
Smith, Ernest.....	D. C.....	225 F Street, N. E.
Terry, Harry S.....	Mich.....	1336 Mass. Avenue.
Vest, W. E.....	N. C.....	1948 Q Street.
Whittaker, Horace W.....	Ohio.....	928 New York Ave.
Watts, Walter.....	Md.....	301 M Street.
Wallace, J. K.....	Ohio.....	613 Penn. Ave., S. E.
Woodford, William G.....	D. C.....	1319 11th Street.
Yates, James R.....	Va.....	1300 Penn. Avenue.
Young, Howard.....	Nova Scotia.	906 S Street.

Total..... 65

THE GRADUATE VETERINARY SCHOOL.

THE FACULTY.

BENAIAH L. WHITMAN, D. D.,
President.

D. E. SALMON, D. V. M., A. R. C. V. S. (Honorary),
Dean, and Professor of Sanitary Medicine, Control and Eradica-
tion of Contagious Diseases, and Inspection of Meats.

JOHN LOCKWOOD, D. V. S.,
Professor of Theory and Practice of Medicine and Surgery.

WM. P. CARR, M. D.,
Professor of General Physiology.

E. A. DE SCHWEINITZ, A. M., Ph. D., M. D.,
Professor of Chemistry.

V. A. NORGAARD, D. V. S.,
Professor of General Pathology.

CHARLES F. DAWSON, M. D., D. V. S.,
Professor of Advanced Physiology.

A. M. FARRINGTON, B. Sc., B. V. S.,
Professor of Obstetrics and Zootechnics.

D. E. BUCKINGHAM, V. M. D.,
Professor of Advanced Materia Medica and Therapeutics.

CH. WARDELL STILES, A. M., Ph. D., M. S. (Honorary),
Professor of Zoölogy and Bibliography.

JAMES CARROLL, M. D.,
Professor of Pathology and Bacteriology.

CECIL FRENCH, D. V. S.,
Professor of Canine Pathology.

ALBERT HASSALL, M. R. C. V. S.,
Professor of Parasitology.

W. S. WASHBURN, M. D.,
Professor of Histology.

GEORGE JOBSON, D. V. S.,
Professor of Anatomy.

DAVID McMASTER, V. S., M. D.,
Professor of Exterior of the Horse.

CHARLES F. HADFIELD, D. V. S.,
Demonstrator of Anatomy.

The Sixth Annual Announcement of the National Veterinary College noted in the organization and direction of its work a most important change; it became the Graduate Veterinary School of The Columbian University. Under the new organization students have all the advantages and facilities for studying histology, pathology, and chemistry which are found in the laboratories of the Medical School of this University. The Faculty has been greatly strengthened by uniting several courses of instruction with similar courses in the Medical School and by securing the services of eminent veterinarians for other important chairs.

The founders of this School believing that there should be an institution in Washington for the study of veterinary science, with broad foundations and more complete facilities for advanced work, have established this School for graduate study. To be admitted to the regular courses in this School applicants must hold a degree from some other veterinary college of recognized standing.

Students not possessing a degree in veterinary medicine will be accepted only as special students, and then only in case they can show that they have had preliminary training which will

enable them to follow the work of the class without detriment to other students. Such special students will be given a certificate of attendance or of examination in special branches, but will not be graduated by this University until they have first obtained a degree at some other Veterinary College of recognized standing.

The faculty is made up of well-known veterinarians and experienced lecturers, who are recognized as authorities on the subjects which they teach. The courses have been arranged to suit the requirements of modern veterinary education. The lectures on the control and eradication of contagious diseases and on meat inspection are a special feature, designed to fit the students for the many responsible and lucrative positions which have been opened to competent men by recent State and National legislation. Chief among such positions under the Federal Government are those of Inspectors and Assistant Inspectors in the Bureau of Animal Industry. These positions are now filled only by persons who are veterinary graduates, and who pass the examination of the Civil Service Commission.

The vast amount of capital invested in our animals in the various States, and the widespread existence of tuberculosis and other diseases in them, and the relation which these bear to the health and wealth of the country, make it more and more necessary that there be a class of persons thoroughly educated for the duty of coping with these conditions. The advanced veterinary graduate is the logical candidate for such positions, and we now have many State veterinarians, as well as veterinarians to the State boards of health, while in nearly all the agricultural colleges and in most of the municipal governments veterinarians occupy important positions.

COURSES OF INSTRUCTION AND STUDY.

Thesis Work. During the first month of the term each candidate for an advanced degree will be required to choose a major branch for examination at the end of the year. He will also submit for the approval of the Faculty a subject in this branch for a thesis. He will be expected to study the entire available literature on the subject selected, supplementing his bibliographic work by original observations and investigations. From

the data thus gained he must prepare and submit a thesis to the Faculty before entering any examination for a degree.

It is expected that fully one-third of the entire time of every graduate student will be given up to thesis work.

LECTURES. All courses are optional, but no student will be admitted to examination for a degree who does not elect at least ten hours of lectures per week, covering one major and two minor subjects. The following courses are open to students during the session of 1899-1900.

SANITARY MEDICINE, THE CONTROL AND ERADICATION OF CONTAGIOUS DISEASES, AND MEAT INSPECTION.

PROFESSOR SALMON.

This subject is taught by lectures covering the whole field of infectious diseases—their history, nature, cause, diagnosis, and treatment. The results of recent investigations in this country and abroad are incorporated, and particular attention is given to available sanitary measures and the laws and regulations for their enforcement. The effect of animal diseases upon the public health and the means of protecting mankind from these plagues receive due consideration. The principles of meat inspection are developed in the final lectures of the course. Professor Salmon's experience in organizing and directing the work of the United States Government for the eradication of contagious diseases and for meat inspection enables him to present these subjects in a practical manner which must be of great advantage to those who aspire to positions in national, state, or city government. The course is looked upon as one of the most important in our curriculum, and no efforts are spared to maintain it at the highest degree of efficiency.

THEORY AND PRACTICE OF MEDICINE AND SURGERY.

PROFESSOR LOCKWOOD.

The course in the practice of veterinary medicine and surgery consists of clinical lectures. At these the student is given every

opportunity to learn all that each case may show. The methods of examination, differential diagnosis, and treatment are thoroughly taught. The use of anaesthetics, the practice of dental surgery, lameness, and male and female castration are especially dwelt upon.

PHYSIOLOGICAL CHEMISTRY.

PROFESSOR DE SCHWEINITZ.

Physiological and biochemistry, including the preparation of tuberculin, mallein, antitoxines, and allied products will be taught. (Open only to students who have had thorough courses in chemistry and bacteriology.)

GENERAL PHYSIOLOGY.

PROFESSOR CARR.

The subject is presented by lectures illustrated by modern diagrams, models, and experiments. Especial emphasis is given to those truths that have a practical value. Physiological anatomy receives especial attention, and is illustrated by charts, diagrams, working models, and anatomical specimens in all cases and by demonstrations upon anesthetized living animals when necessary for a thorough understanding of the subject. Physiological anatomy is also taught in the laboratory, and an opportunity is given students to do practical physiological work as far as their time will permit.

ADVANCED VETERINARY PHYSIOLOGY.

PROFESSOR DAWSON.

This course will consist of about twenty-five lectures, upon the following subjects: The blood and its circulation, respiration, digestion, absorption, secretion and excretion, nutrition, heat production, the nervous system, and the special senses.

When necessary, mechanical appliances and fresh and alcoholic specimens will be used to demonstrate the principles taught.

GENERAL PATHOLOGY.

PROFESSOR NØRGAARD.

In this course special attention is given to the morbid anatomy and microscopic changes involved in inflammation, degeneration, hypertrophy, atrophy, and tumors. Methods for making autopsies and recording data are also considered. The instruction is given by means of lectures, recitations, and demonstrations of both the gross and microscopic changes involved in the various disease processes.

PATHOLOGY AND BACTERIOLOGY (PRACTICAL).

PROFESSOR CARROLL.

In addition to the study of gross changes of appearance seen in ordinary diseases, special attention is given to the minute changes occurring in tissues in inflammation and inflammatory affections of the various organs, as well as to the cellular structure of the important tumors and new growths. To this end the microscope is freely used. An attempt is also made to impress upon the student the importance of a thorough and systematic autopsy in all cases, besides which he has practical illustrations of the most approved methods for preparing bacteriological slides and cultures from the blood and other tissues of animals after death.

ADVANCED MATERIA MEDICA AND THERAPEUTICS.

PROFESSOR BUCKINGHAM.

An advanced course on the principles and practice of comparative therapeutics is given. The course also includes an exhibition of the drugs and a description of the agencies, not drugs, employed by the veterinarian. Practical instruction is given in all the methods used in the exhibition of medicines.

OBSTETRICS AND ZOOTECHNICS.

PROFESSOR FARRINGTON.

The course of instruction consists of lectures on obstetrical anatomy, foetal development, presentations, and the diseases incidental to the periods of gestation and parturition.

The lectures are illustrated by diagrams, models, natural preparations, and other appliances for demonstrating the principles taught.

The professor also delivers a course of lectures on the breeds of horses, cattle, sheep, and swine, including their breeding, feeding, and management. This course also embraces precautions to be observed in importing animals, their purchase, shipment, and quarantine—subjects of great value to those engaged in the handling of pure-bred stock.

CANINE MEDICINE AND SURGERY.

PROFESSOR FRENCH.

The purpose of this course is to make students thoroughly acquainted with diseases of the dog and the modern methods of treatment. The course consists of about twenty-four lectures, and is conducted by the Professor, whose practice is confined entirely to the treatment of the canine race.

Students have excellent opportunities for clinical observation on dogs of all breeds and ages under medical or surgical treatment at the Professor's private canine infirmary.

PARASITOLOGY.

PROFESSOR HASSALL.

The instruction in this subject consists of lectures upon the various parasites with which the domesticated animals are infested. Thorough instruction is also given as to the prevention and eradication of parasites and the treatment of the diseases caused by them.

HISTOLOGY.

PROFESSOR WASHBURN.

Special attention is given to the manipulation of the microscope and to that part of the technique necessary for an intelligent study of the tissues. This is followed by a systematic study of the cellular structure of the elementary tissues and organs of animals. The histological laboratory is well equipped with microscopes and accessory apparatus necessary for carrying out a thoroughly practical course of study in this subject.

COMPARATIVE ANATOMY.

PROFESSOR JOHNSON.

This important subject is taught by numerous lectures. The laboratory work of the department is under the immediate direction of the Professor of Anatomy, assisted by Dr. C. F. Hadfield, demonstrator.

ZOOLOGY.

PROFESSOR STILES.

The course in Zoölogy is designed (1) to give the student a general knowledge of the animal kingdom as a matter of general education and culture; (2) to serve as an introduction to Anatomy, Histology, Physiology, Obstetrics, and Breeding; (3) to aid the student in his study of Sanitary Medicine and Meat Inspection.

The following course is given:

GENERAL ZOOLOGY AND THE ANIMAL PARASITES OF MAN. One hour per week, from October to May. This course includes a general introduction to the biological sciences and a discussion of several of the more important groups of animals. The lecturer also gives a general introduction to the subject of parasitology and a discussion of the protozoa, flukes, tapeworms, roundworms, arachnoids, and insects parasitic in the human subject. Particular attention is given to the species which are transmissible to man from the domesticated animals. The lectures

are illustrated by a series of wall maps by Leuckart, by crayon sketches, by numerous original charts prepared especially for this course, and by exhibition of specimens. The lectures are supplemented by practical laboratory exercise in microscopic examination of meat for trichinosis and of feces for the eggs of intestinal parasites.

Special directions are given as to methods of bibliographical research.

EXTERIOR OF THE HORSE.

PROFESSOR McMASTER.

A weekly lecture upon this subject is given. When necessary, stereopticon views and photographs of horses are used to teach the student to recognize the predominating features presented in type specimens of the various kinds of horses, and how to use the information thus gained in giving professional advice to clients, who, as a rule, wish to be informed in advance as to the probability of a particular animal being prone to lameness, viciousness, or whether suited for a particular kind of work.

Besides these courses, students may elect any of the regular courses given in the undergraduate department of human medicine in the University, such as Anatomy, Physiology, Histology, Chemistry, Bacteriology, Medical Jurisprudence, Hygiene, Obstetrics, Surgery, Practice, Clinics, etc.

VETERINARY SEMINARY.

Veterinary Seminary by various members of the Faculty.
One hour.

The current veterinary journals will be reviewed and discussed and original papers will be read by members of the class.

TEXT-BOOKS AND WORKS OF REFERENCE.

Anatomy: Strangeway, Chauveau, McEadyean.

Physiology: Mills' Comparative, F. Smith, Flint, Yood.

Materia Medica and Therapeutics: Finlay Dun, Wood, Bartholow.

Chemistry: Simon, Atfield, Reimsen's Organic, Gamgee's Physiological Chemistry.

Surgery: Liantard.

Practice: Friedberger and Frohner.

Obstetrics: Fleming.

Canine Practice: Müller (Glass' translation).

Veterinary Dentistry: Hinebaugh, Clarke.

Lameness and Shoeing: Zundel, Fleming.

Dictionary: Dunglison, Keating, Gould.

Age of Domestic Animals: Huidekoper, Liantard.

Bacteriology: Abbott, Sternberg.

Zoölogy—Parasites: Neumann, by Fleming.

Meat Inspection: Walley, Stiles. The Inspection of Meats for Animal Parasites.

Histology: Piersol, Schaefer.

Cattle Practice: Steel, Hill.

Exterior of the Horse: Goubaux & Barrier, Percival.

Pathology: Green, Delafield & Prudden.

EXPENSES.

The fee for the full course, including matriculation, lectures, examinations, and diplomas, is one hundred dollars (\$100) per year. Where a student desires to take only one or two courses, the fees will be as follows:

Matriculation	\$5 00
Examination fee (for each subject) ..	5 00
Certificate fee	5 00
Lecture fee for each course taken.	15 00

SESSION OF 1899-1900.

Oct. 2. Examination and admission of students.

Oct. 4. Lectures begin.

Apr. 28. Lectures close.

The didactic lectures are given daily between the hours of 4.30 and 9.30 P. M.

The clinical lectures and demonstrations are given from 9 A. M. to 12 M.

GRADUATION.

Candidates for graduation must be of good moral character, correct in deportment, twenty-one years of age; they must have graduated at a veterinary college in good standing, attended full courses of lectures, and complied with other conditions specified above. They must have paid all fees, and have passed a satisfactory examination before the Faculty.

LABORATORIES.

The union of this College with the Columbian University has opened to our students the well-equipped laboratories of Histology, Pathology, Bacteriology, and Chemistry in that institution. They are located in the building of the Medical School of the University, and veterinary students are given instruction in the above-named subjects in common with the medical students.

MUSEUM COLLECTION.

In this collection are to be found models, dissections, skeletons, charts, and many pathological specimens. These will all be drawn upon for purposes of illustration.

MEDICAL ASSOCIATION.

This Association was organized in 1892. The membership is made up of members of the Faculty, graduates, and students. The meetings of the Association take place weekly, and all students are required to attend, as it is considered a very important part of the instruction given in this School. Several members of the Faculty are habitual attendants, and by their presence encourage good work and at the same time correct any error into which the essayist or critics may fall.

GENERAL INFORMATION.

The cost of living in Washington will, as elsewhere, vary with individual taste and requirements. Generally speaking, it is about the same as in other large cities. Rooms and board may

be obtained in the immediate vicinity at from \$15 to \$25 per month. The School and Hospital buildings are located in proximity to five different street-car lines, which run to all parts of the city and suburbs.

For further information address—

DR. CHARLES F. DAWSON,

*Secretary of the Veterinary School,
The Columbian University, Washington, D. C.*

THE SUMMER SCHOOL.

THE FACULTY.

M. MONTROSE RAMSEY, A. M.,
Director and Professor of Modern Languages

ANDREW F. CRAVEN, Ph. D.,
Professor of Economics.

F. LAMSON-SCHIBNER, B. S.,
Professor of Botany.

FRANK A. WOLFF, Ph. D.,
Professor of Physics.

HERBERT LOUIS RICE, M. S.,
Professor of Astronomy.

WILBUR F. DALES, Ph. D.,
Assistant Professor of Ancient Languages

W. EDWIN PRIEST,
Assistant Professor of History.

PETER FIREMAN, Ph. D.,
Assistant Professor of Organic Chemistry

EDWARD A. MUIR, B. S.,
Instructor in Mechanical Drawing.

EMIL H. MEYER,
Instructor in Fine Arts.

THE COLUMBIAN UNIVERSITY.

E. HILTON JACKSON, A. M., LL. M.,
Instructor in Law.

MAYVILLE W. TWITCHELL,
Instructor in Geology and Mineralogy.

EDMUND KEMPER BROADUS, A. B.,
Instructor in English.

FRANCIS H. STEPHENS, LL. M.,
Instructor in Law.

WALTER C. CLEPHANE, LL. M.,
Instructor in Law.

MARCUS WARD LYON, Ph. B.,
Instructor in Zoology.

REED PAIGE CLARK, A. B.,
Instructor in German and Secretary of the Faculty.

THOMAS A. WILLIAMS, A. M.,
Assistant in Botany.

JULES MAILLET,
Assistant in French.

FRED FERGUSON REISSNER, B. S., E. E.,
Assistant in Physics.

SCHEDULE OF RECITATIONS FOR THE SESSION OF 1890.

I. Section of Arts and Sciences.

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8 to 8.30	Chemistry, 1 French, 2 German, 3 Physics, 4 Latin, 5 Spanish, 6	Calculus German, 1 Greek, 2 History, 3 Physics, 4 Spanish, 5	Calculus Chemistry, 1 Physics, 2 French, 3 History, 4 Latin, 5	Calculus German, 1 Greek, 2 History, 3 Physics, 4 Spanish, 5	Chemistry, 1 Physics, 2 French, 3 German, 4 History, 5 Latin, 6	German, 1 Greek, 2 Physics, 3 History, 4 Latin, 5
9 to 9.30	Algebra English, 1 French, 2 Latin, 3 Physics, 4 Zoology, 5	French, 1 English, 2 German, 3 Greek, 4 Spanish, 5	Algebra English, 1 French, 2 Latin, 3 Physics, 4 Zoology, 5	Algebra English, 1 French, 2 German, 3 Greek, 4 Spanish, 5	Algebra English, 1 French, 2 German, 3 Greek, 4 Spanish, 5	Algebra English, 1 French, 2 German, 3 Greek, 4 Spanish, 5
10 to 10.30	Chemistry, 1 French, 2 German, 3 History, 4 Physics, 5 Latin, 6	English, 1 French, 2 German, 3 History, 4 Physics, 5 Latin, 6	Chemistry, 1 English, 2 French, 3 German, 4 History, 5 Latin, 6	English, 1 French, 2 German, 3 History, 4 Physics, 5 Latin, 6	Chemistry, 1 English, 2 French, 3 German, 4 History, 5 Latin, 6	Chemistry, 1 English, 2 French, 3 German, 4 History, 5 Latin, 6
11 to 11.30	Chemistry, 1 English, 2 French, 3 German, 4 History, 5 Latin, 6	English, 1 French, 2 German, 3 History, 4 Physics, 5 Latin, 6	Chemistry, 1 English, 2 French, 3 German, 4 History, 5 Latin, 6	English, 1 French, 2 German, 3 History, 4 Physics, 5 Latin, 6	Chemistry, 1 English, 2 French, 3 German, 4 History, 5 Latin, 6	Chemistry, 1 English, 2 French, 3 German, 4 History, 5 Latin, 6

II. Section of Law.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Course 1						
Course 2						
Course 3						
Course 4						
Meet. Cont.						

N. B. The foregoing schedules are subject to slight modifications at the time the classes are formed.

DEPARTMENTS OF INSTRUCTION

INSTRUCTION OF ARTS AND SCIENCES

ANCIENT LANGUAGES

ASSISTANT PROFESSOR DALLS.

Greek.

1. A course for those students who desire to begin Greek. White's Beginner's Greek Book. Three hours.*

2. A rapid review of White's Beginner's Greek Book, together with translation of Anabasis, Book I, chapters I-V. This course is designed especially for those students who desire to review their first year's work. Three hours.

3. Anabasis, Homer, Herodotus, or Lysias, grammar, exercises. Courses will be given in one or more of these authors on application of a sufficient number of students. Especial emphasis laid on translation and constructions. Three hours.

Latin.

1. A course for those desiring an introduction to the language. Collar and Dannel's First Latin Book. Three hours.

2. A rapid review of the First Latin Book. A course designed for those desiring a thorough and rapid review of their first year's work. Three hours.

3. Caesar, grammar, exercises. Especial emphasis laid on translation and constructions. Three hours.

4. Cicero, Vergil, Livy, Ovid, etc. Courses will be given in these authors similar to course 3, on application of a sufficient number of students. Three hours.

* Courses thus indicated, hours per week throughout the session.

BOTANY.

PROFESSOR LAMSON SCIENCE.

MR. WILLIAMS.

Gross anatomy or organography, general morphology, and systematic botany by lectures, recitations, and studies in the field. The field-work consists of the collection of specimens representing the more general groups of the vegetable kingdom and their preparation for the herbarium. Special studies of grasses and the plants of the District of Columbia form a feature of the course. Three hours.

CHEMISTRY.

ASSISTANT PROFESSOR FIREMAN.

Lecture Courses.

1. Introduction to the study of Chemistry. Three hours.
2. A rapid review of Inorganic Chemistry. Three hours.
3. A rapid review of Organic Chemistry. Three hours.

Laboratory Courses.

4. A series of experiments on the fundamental principles of Chemistry. Eighteen hours.
5. Organic preparations. Eighteen hours.

Additional laboratory courses in particular branches of analytical chemistry will be arranged to meet the desires of applicants.

The fee for each laboratory course is \$20. This charge is separate from the fee for lecture courses. Students matriculating in one of the laboratory courses are entitled to attendance upon the lecture courses.

In addition to the special fee for Course 4, each student is charged \$2.50 for materials. In Course 5 the preparations are so selected that the extra expense for chemicals will not exceed \$10.

ECONOMICS.

PROFESSOR CRAVEN.

1. Finance. Three hours.

The Science of Money and Credit, with especial reference to present conditions in the financial world. Lectures, notes, collateral reading from Walker, Macleod, Jevons, White, and others.

2. Politics. Three hours.

Fundamental principles of government by the people, organization and functions of the Township, County, City, and State. Diagrams, lectures, notes, readings, and reviews.

3. Political Economy. Three hours.

Short text-book studies from Adam Smith, Ricardo, Mill, Gregory, and Marshall. A complete outline of Political Economy is given.

4. International Law. Three hours.

Sources, purposes, and economic effects and benefits of International Law. Texts: Woolsey and Odmandet.

The particular attention of students of law is called to courses 2 and 4.

ENGLISH.

MR. BROADUS.

1. Practical rhetoric, with daily theme writing. Three hours.

Text-book: "Principles of Rhetoric" (new edition), A. S. Hill.

2. Essentials of Old English Grammar, with selected prose readings. Two hours.

Text-book: Bright's "Anglo-Saxon Reader."

3. Shakespeare's Historical Plays. Two hours.

a. Introduction by lectures.

1. Sources and development of the English Historical Plays.

II. Shakespeare's dramatic works, and the importance of Historical Plays in his growth;

III. The construction of a drama;

4. Special study of "Richard III" and "Henry VIII."

4. English lyric poetry of the Nineteenth Century. Two hours.

The above courses have been outlined after consultation with the Head of the Department of English of the University.

FINE ARTS.

MR. MEYER.

1. Sketching from Nature. Landscapes in oil, water color, pencil, charcoal and wash. Monday, Wednesday, and Friday, from 2 to 6 p. m.

This course is especially adapted to the needs of art students and of teachers in public and private schools.

2. Free-hand Drawing. To be given both as a general course and as applied to civil engineering and architecture. Four hours.

Other courses in drawing and art will be arranged to suit the wishes of individuals and classes.

GEOLOGY AND MINERALOGY.

MR. TWITCHELL.

1. A lecture course in Geology for beginners. Two hours.

This course is intended either for general culture or as an introduction to the science of Geology, preliminary to the more extensive courses in the Cooperan Scientific School. The lectures cover the most important and most interesting facts of the science. Occasional field trips are made in the vicinity of Washington.

2. A rapid review of Dynamical, Structural, and Historical Geology. Three hours.

This course consists of a series of quizzes on Scott's "Introduction to Geology," and is intended for those who have taken the corresponding course in the Corean Scientific School, or its equivalent.

3. A lecture course on the Useful Minerals. Two hours.

This course is intended either for general culture or as an introduction to the science of Mineralogy. The lectures treat of Gems and Precious Stones, Ores, Pigments, etc.

HISTORY.

ASSISTANT PROFESSOR PRIEST.

1. General synopsis of American History. Three hours.
2. Early discoveries and colonization. Three hours.
3. The development of the nation from 1790 to 1850. Three hours.
4. Essentials of Ancient History. Four hours.

Courses for the periods of the American Revolution and Civil War may be formed if a sufficient number of students desire them.

MATHEMATICS.

PROFESSOR RICE.

1. College Algebra, beginning at quadratic equations. Four hours.
2. Solid Geometry. Four hours.
3. Plane Trigonometry. Four hours.
4. Analytic Geometry. Four hours.
5. Elementary Calculus. Four hours.

Classes in descriptive and in mathematical astronomy will be formed if a sufficient number of students apply.

MECHANICAL DRAWING.

MR. MUR.

1. A course in Geometrical Problems to teach the beginner the accurate use of his instruments and to acquaint him with the principles and conventional methods of Mechanical Drawing.

2. A course in Patent Office Drawing.

3. A course in the Elements of Projection for beginners.

4. A course in "Working Drawings" of Machine Details.

A number of machine parts of the latest design will be found in the drawing-room. The student is expected to make complete working drawings of these parts, so that he may become familiar with their construction.

5. A course in Working Drawings of Building Details—wood joints, partitions, flooring, trusses, etc.

MODERN LANGUAGES.

PROFESSOR RAMSEY.

MR. CLARK.

MR. MAILLET.

French.

1. Elementary course, for beginners. Three hours.

A course designed to give careful drill in French pronunciation, and to lay a firm grammatical foundation for subsequent study.

Text-books: Macmillan's Progressive French Course (first year) and Paul Bercy, *La Langue Française*.

2. French Syntax. Two hours.

Practical treatment of the salient peculiarities of French syntax, with exercises in French composition.

Text-books: Howard's Aids to French Composition and any good reference grammar.

3. French conversation for beginners. Three hours.

Simple descriptions of well-known things and places, alternating with questions upon the subject of previous talks, to which the students are required to reply. (No English spoken.)

4. *Causeries sur les événements quotidiens.* Two hours.

A more advanced course of conversations on current topics, based upon a perusal of the French press. (No English spoken.)

5. French literature. Two hours.

Twelve lectures, covering the literary history of France from the Roman conquest to the triumph of Romanticism.

6. The Renaissance in its relation to French literature. One hour.

German.

1. Elementary grammar and composition, with exercises in reading and conversation. Three hours.

Text-books. Thomas' Practical German Grammar, and Stern's Studien und Plaudereien (first series).

2. Syntax and advanced composition, with readings from novels and the classics. Two hours.

3. German literature of the classic period. Two hours.

Spanish.

1. Elementary course. (Similar to course I in French.) Three hours.

Text-books. Ramsey's Text book of Modern Spanish and Elementary Spanish Reader.

2. Practice in conversation and newspaper reading. (No English spoken.) Two hours.

3. Spanish literary style, the principles of criticism, syntax, and rhetoric. Two hours.

4. Spanish literature. Two hours.

Twelve lectures, giving an account of the best that has been written in Spanish, from the *Poema del Cid* to the present day.

Italian.

1. Elementary course, for beginners. Three hours a week.

This course is intended to take the student through the rudiments of the grammar and enable him to read easy prose.

2. Italian phonetics. Two hours.

A course offering thorough drill in the quality and quantity of Italian voice sounds, pronunciation, and expression.

Text book—Grandgent's Italian Grammar and Composition.

PHYSICS.

PROFESSOR WOLFF.

MR. MEANS.

MR. REISSNER.

1. General Physics. Three hours.

The principles of Physics as illustrated by experiment. This course is intended for students without special preparation.

2. Laboratory Work.

A laboratory course for beginners in the fundamental measurements in mechanics, sound, heat, light, electricity, and magnetism. The laboratory will be open daily from 9 a. m. until 8 p. m.

Students in the Corcoran Scientific School taking this course will receive credit for the work done, or more advanced work may be substituted in the regular course.

Fee for either course, \$10; for both courses, \$15.

Arrangements will be made for additional courses in advanced physics and laboratory methods on request of a sufficient number of properly equipped students.

ZOOLOGY.

MR. LYON.

1. General zoölogy and animal morphology. Three hours.

A lecture course upon the larger groups of animals, their unity and development, and the general laws of biology, with laboratory demonstrations of typical forms.

2. Vertebrate anatomy. Three hours.

Laboratory demonstrations based upon the dissection of one or more small forms, such as the frog or fish.

II.—SECTION OF LAW.

The exercises of the Summer School form no part of the curriculum of the Law School. At the same time the University desires, through the Summer School, to furnish an opportunity for instruction in Law during the summer vacation.

MR. JACKSON.

MR. CLEPHANE.

MR. STEPHENS.

Course 1.

Real Property. Three hours.

Text-book: Second book of Blackstone's "Commentaries" or Williams on "Real Property."

This course is designed principally as an introduction to the study of law, but will be found useful for students who desire to review this important subject.

Course 2.

General Treatment of the Law of Contracts. Three hours.

Business men will find this course of practical value, and law students can acquire such a knowledge of the subject as will prepare them for the regular course, or serve as a valuable review and practical adaptation of previous work.

Course 3.

General Treatment of Common Law Pleading. Three hours.

Text-book: Stephen or Shipman on "Pleading."

This course will be found valuable, either as a preparation for the regular law course or by way of review.

Course 4.

Law of Evidence. Three hours.

Text book: Greenleaf on "Evidence."

This course, like course No. 3, will be found valuable, either as a preparation for the regular course or by way of review.

These courses have been arranged because of the desire expressed by many students of law to prosecute their legal studies during the summer months. The work, however, is not designed alone for those, as a special course has been arranged for those who are to begin the study of law; and in outlining the course the fact has been kept constantly in mind that there is an ever-increasing number of persons who desire to become acquainted with the fundamental and underlying principles of law as an indispensable part of a liberal or a business education.

The instruction is given almost exclusively by quizzing, as by this method the progress of the students is most rapid, and the best results can be accomplished, in view of the limited time of the summer session.

Moot Court.

Moot court is held three hours each week. The fee of \$10, charged for participation therein, is separate from the fee for lecture courses.

This feature of the law work of the Summer School has been introduced primarily to afford members of First Year and Second Year classes of the Law School an opportunity to gain some practical experience in Procedure prior to their work in the Senior Year.

The work is conducted along the lines pursued in the senior course above referred to, the student being required to prepare pleadings, and conduct the case to a verdict, with as much particularity as would be required in actual practice.

An important feature of this class will be the limited number admitted, thus permitting each member to take charge of many cases as his time or inclination may suggest.

The course is also open to members of the profession who have not entered upon practice, and it will be found of great assistance to those who contemplate taking the bar examination of the District of Columbia.

EXPENSES.

The fees in the Sections of Arts and Sciences and of Law are separate and distinct, and matriculation in one does not entitle a student to the privileges of both.

In the Section of Arts and Sciences the fee for one or more courses in one department, exclusive of laboratory courses, is ten dollars.

The payment of twenty dollars admits the student to all the departments of the Section except the laboratory courses, for which extra fees are charged, according to the announcements made under such courses.

In the Section of Law the payment of ten dollars entitles the student to attend any or all of the lecture courses. The fee for the Moot Court is separate, and is also ten dollars.

All fees are payable in advance at the time of registration.

GENERAL STATEMENT.

Instruction begins on Monday, June 19th, and continues until Saturday, July 29th.

All courses are open to students of both sexes.

Only those courses are given for which a sufficient number of applicants present themselves. In former years this number has generally been fixed by the various instructors at from three to five.

The classes meet between 4.30 and 8.30 o'clock p. m. This permits persons employed in Washington to avail themselves of the courses offered, and gives to those coming from a distance the entire day in which to visit the Government buildings, libraries, and museums, to study, or to do extra work in the laboratories.

The attention of teachers is called to the opportunities here offered for continuing their studies under the direction of University instructors. Every effort is made to suit the work to their requirements, and in the laboratory and field courses especially individual needs are met.

Present and prospective students of law and medicine will find a number of courses that will be of particular value, both for review and broadening of work done and for preparation for their regular professional duties.

The University buildings, laboratories, and library are open daily, Sunday excepted, from 9 a. m. until 8.30 p. m.

During the session of 1898 desirable rooms, convenient to the University buildings, were to be had at from \$5 to \$10 per month, and good board was offered at from \$15 to \$20 per month. Lists of persons offering rooms and board can be obtained upon application to the Registrar of the University.

For further information regarding the Summer School, application may be made to

M. MONTROSE RAMSEY, A. M., *Director.*

The Columbian University, Washington, D. C.

STUDENTS IN THE SUMMER SCHOOL, 1898.

Name.	State.	Address.
Able, Robert Felder	S. C.	911 M Street.
Alexander, John Phipps	Tenn.	Treasury Department.
Altschu, J. Henry	D. C.	1334 G Street.
Altschu, Meta Rawlings	D. C.	1334 G Street.
Arntzen, Julius Leopold	Mo.	1722 Corcoran Street.
Baker, Sibyl	D. C.	1728 Columbia Road.
Bauskett, Helen Virginia	S. C.	1408 S Street.
Beatty, J. William ..	Kan.	113 G Street.
Berry, George Magruder	Md.	2017 H Street.
Bridgeman, Lonnies Earle	Ohio.	220 A Street, S. E.
Brown, Syria Florence	D. C.	U. S. Naval Obs.
Browne, Edith Arvil	D. C.	1306 Parkway.
Carter, Charles Taylor	D. C.	937 Va. Ave., S. W.
Chenoweth, Mary Davenport ..	D. C.	1342 Vermont Ave.
Clements, Marjorie Webb	Va.	422 7th Street, S. E.
Colestock, Harry Ludwig	Pa.	937 Mass. Avenue.
Cook, Robert M.	Kan.	609 E Street.
Daish, John B.	D. C.	118 4th Street, N. E.
Davis, George Jacob, Jr.	D. C.	1320 11th Street.
Davis, William Hammett	N. Y.	1101 K Street.
Dodge, Arthur J.	Wis.	623 13th Street.
Dodge, Colby Ford	D. C.	1744 Corcoran Street.
Doyle, Aida Mary	Penn.	1902 3d Street.
Dunlap, Robert Henry	D. C.	1816 Corcoran Street.

Name	State	Address
English, William L.	Ill.	1012 Mass. Avenue.
Evans, Maurier Preston.	Va.	311 S Street, N. E.
Fenning, Karl Herbert	D. C.	513 4th Street
Ford, Ella May.	Va.	63 N. Y. Ave., N. E.
Gould, Harry Lewis	D. C.	812 13th Street
Grady, Jennie Powell	D. C.	1521 29th Street
Hance, Eleanor Wilson	N. J.	Cherrydale, Va.
Harris, Charles Gaunt	D. C.	1917 Kalorama Ave.
Hewett, Foster.	D. C.	1634 17th Street
Hutt, J. Edgar.	Ind.	259 N Street
Jackson, Daniel Kerfoot	Va.	809 13th Street
Johnson, Carl Alexander	Cal.	256 Seaton St., N. E.
Johnston, Robert.	Wyo.	826 14th Street
Kelton, Adelaide	D. C.	1841 R Street
Kelton, Anna Campbell	D. C.	1841 R Street
Kelton, Margaretta	D. C.	1841 R Street
Landenslager, Daniel Klyne	Pa.	Hyattsville, Md.
Lewis, Anne Johnstone	N. C.	1507 Vermont Ave.
Lupton, Edward J. S.	W. Va.	Treasury Dept
Martin, Samuel Maner.	S. C.	1806 S Street.
Mason, Anita Dorsey	Va.	1827 H Street
Matthews, Charles Eugene	Okl.	416 3d Street
Mellican, Humphreys	Tenn.	1821 H Street
Miner, William Harvey	Conn.	814 11th Street
Moore, Charles A.	Colo.	Post Office Dept
Morrison, Clarke John	Ind.	415 R Street
Murphy, Joseph Alexander	D. C.	1103 10th Street
Perry, Frank S.	D. C.	1536 16th Street
Peters, Arthur Stevens.	D. C.	1534 Columbia Road.
Potter, Ernest George.	D. C.	1104 Vermont Ave.
Powell, Herbert H.	Pa.	Theolog. Sem'y, Va.
Roberts, Edwin E., M. D.	D. C.	621 East Capitol St.
Robrback, Howard L.	Pa.	1209 Q Street
Robrback, Junata.	Pa.	1209 Q Street
Scrivener, John	D. C.	12 34 Street, N. E.
Shackelford, Laura	D. C.	924 Mt. Ave., N. E.
Sherman, John, Jr.	D. C.	Cleveland Pk., D. C.
Smith, Willoughby Randle	D. C.	1311 22d Street
Stetson, Frank Owen	Mass.	1802 R Street.

Name	State	Address
Sudbrink, John Thomas	Ind	1545 Lath Street
Sweeney, Vima A.	Pa.	630 A Street, N. E.
Taggart, G. Russell	N. J.	Dept. of Justice
Taylor, Louise	Ohio	1411 Hopkins Street
Thatcher, Frank Hosford	Iowa	1016 D Street, N. E.
Todd, George Carroll	Va.	3169 P Street
Topping, D. Le Roy	N. Y.	1113 G Street
Vaill, Edward Warren, Jr.	Mass.	210 F Street
Veorhees, Walter	Ohio	317 41 Street
Warren, Frances Helen	Wyo.	1848 Wyoming Ave.
West, Sara	Germany	205 G Street
Wharton, John James, Jr.	Va.	City Post Office
Wilson, Clarence Rich.	D. C.	912 17th Street
Wingfield, Thomas Julian	Va.	1519 F Street
Yancey, K. Lurana	Va.	998 15th Street

Total 78

DEGREE CONFERRED IN 1868. UPON EXAMINATION.

Doctor of Philosophy

Whitehead, Cassell	Idaho
B. M., Lehigh University, 1885	
M. S., Columbian University, 1895.	

Master of Arts

Bridgman, Lonnes Earle	Ohio
A. B., Denison University, 1896	
Fireman, Ernestine	District of Columbia
Hall, Percival	District of Columbia
A. B., Harvard University, 1892	
Holcombe, John Walker	District of Columbia
A. B., Harvard University, 1875	
Hyde, Charles Sumner	Wisconsin
Ph. B., University of Michigan, 1889	
Moore, Charles	Michigan
A. B., Harvard University, 1878	
Pace, Lillian	Virginia
B. S., Columbian University, 1897	
Pace, Roy Bennett	Virginia
A. B., Richmond College, 1897	
Ross, George Albert	Missouri
A. B., William Jewell College, 1894	
Trigpen, John Howard	Louisiana
A. B., Keachne College, 1892	
A. M., Keachne College, 1895	
Trule, Henry Edward	Missouri
A. B., William Jewell College, 1894	
Ware, William George	Massachusetts
Wellbourn, John Armistead	Indiana
A. B., Johns Hopkins University, 1896	

Master of Science.

Name.	Residence.
Biehl, William Frederick	Ohio.
B. S., Columbian University, 1897.	
Miller, Stephen Cookman.....	Minnesota.
M. D., Columbian University, 1884.	
Phar. D., Howard University, 1888.	
Portner, Edward George.....	District of Columbia.
B. S., Columbian University, 1897.	
Taylor, Louise.....	Ohio
B. A., Wellesley College, 1896	
Veitch, Fletcher Pearre.....	Maryland.
B. S., Maryland Agricultural College, 1891.	

Doctor of Medicine.

Baier, George Kasper.....	District of Columbia.
Chapman, Thomas Pinkney.....	Texas
Clemons, Carl Anson.....	New York
Cook, Elmon Allen Adams.....	District of Columbia.
Dowling, Thomas, Jr.....	District of Columbia
Fisher, William Nimmo.....	Virginia.
Grier, William Watnough.....	District of Columbia
Groover, Thomas Allen.....	Georgia.
Gunkell, Pearl Loehr.....	Kansas
Herald, Avediss B.....	Armenia
Howard, Charles Norman.....	Pennsylvania.
Huntington, Philip Weatherly.....	Connecticut.
Keyser, Carl Schurz.....	District of Columbia.
McDonnold, Paul Ewing.....	Georgia
Morhart, Frederick Henry.....	Ohio.
Orr, C. Wesley.....	District of Columbia.
Rives, Wright, Jr.....	Maryland.
Schwinn, George Henry.....	Connecticut.
Sorrell, George Reuben.....	Virginia.
Tracey, John Matthew.....	New York.
Welles, Delbert Arthur.....	New Hampshire.
White, Charles Stanley.....	District of Columbia.
Whitson, W. E.....	Maryland.
Yarborough, Richard Fenner.....	Texas.

Doctor of Dental Surgery

Name	Residence
Bogley, Edwin H.	Maryland
Boynton, George W.	New York
Bradford, Fenton	Virginia
Dahlen, Philip J.	California
Donne, James C.	New York
Gibson, Hopkins	West Virginia
Gorman, Jacob Allen	District of Columbia
Hicks, Fessenden Fairfax	Maryland
Johnson, Henry Wilson	District of Columbia
Keefe, Charles B.	District of Columbia
Kauschke, Johannes O. A.	Germany
Naff, William E.	Tennessee
Shade, E. Clyde	District of Columbia
Utz, A. Thomas	Maryland
Van Dusen, Orville	Virginia

Doctor of Veterinary Science

Moore, Edward Lockhart, B. S.	Canada
Washburn, Henry James	Michigan

Master of Laws

Aud, John Bryson	Alabama
Bradley, Stephen Duncan	District of Columbia
L.L. B., Columbian University, 1897	
Burks, De Paul	California
L.L. B., Cumberland University	
Church, Frank M.	New Jersey
B. S., Georgetown College, Ky., 1896	
Clark, Landley Daniel	Tennessee
A. B., Earlham College, 1886	
A. M., Maxwell College, 1890	
L.L. B., Columbian University, 1897	
Croston, Fred. C.	Illinois
L.L. B., Columbian University, 1897	
Dalzell, George W.	New York
L.L. B., Columbian University, 1897	

Name.	Residence.
Dye, Leon Lamar	Mississippi
LL. B., Columbian University, 1897.	
Harrison, Walton	District of Columbia.
LL. B., Georgetown University, 1897.	
Hawley, Cornell Smith	New York.
LL. B., Georgetown University, 1897.	
Hesselman, George Jacob	Illinois
LL. B., Columbian University, 1897.	
Johnson, Charles A	District of Columbia.
LL. B., Columbian University, 1897.	
Kellogg, Charles Jirah	Louisiana.
LL. B., 1894; LL. M., 1897, National University Law School.	
Leonard, Henry	District of Columbia.
LL. B., Columbian University, 1897.	
Mackey, George Dallas, Jr.	New Jersey.
LL. B., Columbian University, 1897.	
Mehn, William	Louisiana.
LL. B., Columbian University, 1897.	
Phelps, Charles Eugene	Illinois
LL. B., Columbian University, 1897.	
Prentiss, Spencer B.	District of Columbia.
LL. B., Columbian University, 1897.	
Riddleberger, Ralph H.	Virginia.
LL. B., Columbian University, 1897.	
Snodgrass, John James	District of Columbia
LL. B., Columbian University, 1897.	
Specht, Augustus Franklin	Pennsylvania.
LL. B., Columbian University, 1897.	
Sullivan, Willis Eugene	Idaho
LL. B., Columbian University, 1897.	
Tarbox, Fred. L.	New York.
LL. B., Columbian University, 1897.	
Tilton, Clark K	District of Columbia
LL. B., Columbian University, 1896.	
Vorhees, Philip Barton	Illinois.
LL. B., Vanderbilt University, 1897.	
Wells, Cyrus Campbell	Illinois
LL. B., Columbian University, 1897.	

Name.	Residence.
Wells, Robert Wesley	Kansas.
LL. B., University of Kansas, 1897.	
Welsh, Joseph Wickes	Maryland
LL. B., Columbian University, 1897.	

Master of Patent Law.

Brook, George S.	District of Columbia
Clapp, Harry Lincoln.	Massachusetts
S. B., Massachusetts Institute Technology, 1893.	
LL. B., Columbian University, 1896.	
LL. M., Columbian University, 1897.	
Clay, Francis W. H.	Kentucky
C. E., Cornell University, 1893.	
LL. B., Columbian University, 1896.	
M. L., Columbian University, 1897.	
Doolittle, Henry Pelouze	District of Columbia.
LL. B., Columbian University, 1897.	
Dorman, Theodore Taylor	New Jersey
B. S., Massachusetts Institute Technology.	
M. L., Columbian University, 1897.	
Farnsworth, Frederick Philip.	Connecticut.
Ph. B., Yale University, 1894.	
LL. B., Yale University, 1897.	
Harrison, Walton	District of Columbia.
LL. B., Georgetown University, 1897.	
Heard, Nathan.	Massachusetts.
S. B., Worcester Polytechnic Institute.	
LL. B., National University.	
LL. M., National University.	
Holt, John H.	Georgia
B. Sc., M. E., E. E., Alabama Polytechnic	
LL. B., Georgetown University, 1897.	
Phelps, Francis Mohun	Connecticut.
LL. B., Columbian University, 1896.	
LL. M., Columbian University, 1897.	
Sewall, Eugene D.	Massachusetts
Adams, Melvin G.	Mississippi
A. B., University of Nashville.	

Bachelor of Laws.

Name	Residence
Allen, W. S.....	West Virginia
Andrews, Burt W.....	South Carolina
South Carolina Military Academy	
Andrews, Khlar M.....	Pennsylvania
Armes, Henry Beard.....	New Jersey
A. B., Princeton University, 1896.	
Auer, Harry Anton.....	Michigan
Austin, Walter Forward.....	Alabama
Averill, Chester.....	Massachusetts
Becker, Will J.....	Illinois
M. E., Royal Polytechnique, Munich, 1891.	
Bentley, Alexander Garner.....	District of Columbia
A. B., Yale University, 1896.	
Bourn, Byron.....	Missouri
Bowen, Philander A., Jr.....	Maryland
Bright, Henry Thurman.....	District of Columbia
Burnham, Royal Edwin.....	District of Columbia
Bynum, Dickson H.....	New York
Byrley, John Henry.....	Kentucky
A. B., Union College, 1894	
Campbell, Michael K.....	Illinois
Chase, George Phillips.....	District of Columbia
B. S., University of Pennsylvania, 1895.	
Chesley, Willoughby Sprigg.....	Maryland
Church, Frank M.....	New Jersey
B. S., Georgetown College, Ky., 1896.	
Clarke, Oscar De Forest.....	District of Columbia
Clarkson, Walter Beaumont.....	Virginia
Colladay, Edward Francis.....	Kansas
Crist, Frank Wiley.....	Illinois
Crittenden, Edgar V.....	West Virginia
Davis, Fred. L.....	Pennsylvania
Disch, Henry George.....	Wisconsin
Donan, Henry.....	Kentucky
Edwards, Ogden Ellery, Jr.....	New York
B. S., Alabama Polytechnic, 1894.	
Ellison, William McElfresh.....	Virginia

Name	Residence
Evans, Samuel Henry	Virginia
Everfield, Donald	Maryland
A. B., Maryland Agricultural College, 1896	
Felix, Joseph Doniphan	North Carolina
Fontron, Joseph P.	Kansas
Fonse, George C.	District of Columbia
Fowler, Owen Henry	District of Columbia
Frast, Claude S.	New York
Grandy, Wiley Harrison	North Carolina
Gray, John Pinkham	Idaho
Greist, Lewis Thomas	Indiana
Gwynes, Charlie Oscar	Mississippi
L. B., Mississippi College	
Handy, Frederick Chaille	Virginia
Harris, Charles Gantt	District of Columbia
Harris, John Tyre	Missouri
Hemmings, Frederick Leath	Illinois
Hobgood, Franklin P., Jr.	North Carolina
A. B., Wake Forest College, 1896	
Holden, Walter Armour	Connecticut
Holland, William Meredith	Texas
Horne, Pearce, Jr.	Georgia
Johannes, George	Pennsylvania
Johnson, Livingston Spotswood	Virginia
Jones, Briggs C.	Ohio
Keyser, Adolph G.	District of Columbia
Kirk, William Frederick	Texas
Lee, Harry Holbrook	Ohio
Lewis, Howard S.	Kansas
Leonidin, William Grant	Idaho
Linkins, Charles	District of Columbia
Matthews, Charles Eugene	Oklahoma
McLean, Wallace Donald	District of Columbia
A. B., Princeton University, 1896	
Monahan, Alston Brintnall	Massachusetts
B. S., Worcester Polytechnic Institute	
Ogden, Herbert G., Jr.	District of Columbia
E. E., Cornell University, 1896	
Oliver, Robert Taylor	District of Columbia

Name	Residence
Parker, S. Ross	Missouri
Perkins, Adam C.	Georgia
Powell, Wade H.	Georgia
Rappolee, Charles Edward	Kentucky
Rill, Willard A.	New York
Sellhausen, Armin Frederick	District of Columbia
Smith, Walter Scott	Alabama
A. B., Lineville College, 1896	
Snell, Theodore Thomas	District of Columbia
Snow, Alverar Erastus	Utah
Stamper, William Stephen	Virginia
Stine, Oliver C.	Illinois
Stout, John L., Jr.	Kentucky
Stuart, Barnwell S.	District of Columbia
Sullivan, La Verne L.	Idaho
Tait, Galen Lamar	District of Columbia
Taylor, Thomas Locke	Virginia
Thigpen, Edward Fort	Louisiana
A. M., Keachie College, 1896	
Tindall, Philip	District of Columbia
Towles, Clarence Spotswood	Virginia
Tralles, Forest Paul	District of Columbia
Varney, Walter Urbach	Virginia
White, Herbert Arthur, U. S. R.	Iowa
U. S. Military Academy	
Wilson, Clarence Rich	District of Columbia
Wilson, Willard B.	Illinois
Woolford, Thomas Guy	Maryland

Bachelor of Arts.

Bradford, Elise	Maryland
Clark, Reed Paige	New Hampshire
Clark, Thatcher	New York
Hinman, Mary Squire	Ohio
Hoover, G. Carroll	Pennsylvania
Jacobs, Frances Mabel	District of Columbia
Sanderlin, Georgia	North Carolina
Sterrett, Henry Hatch Dent	District of Columbia
Stuart, Albert Rhett	South Carolina
Ware, William George	Massachusetts

Bachelor of Science

Name	Residence
Burnside, Charles Fremont	District of Columbia
Dalby, Z. Lewis	Virginia
Doerfling, Richard George	Germany
Doyle, Aida Mary	Pennsylvania
Farmer, Harry	Iowa
Faulkner, William Thomas	Mississippi
Golden, Ellen	New York
Harlan, Quinof	Maryland
Means, Thomas Herbert	Virginia
Metcalf, Gertrude Elizabeth	Maine
Storm, Christian George	Wisconsin
Workman, Henry C.	Michigan

Electrical Engineer

Reisner, Fred Ferguson	Missouri
B. S., Columbian University, 1897	

Civil Engineer

Hutton, William Stone	Indiana
Graduate Virginia Military Institute, 1896	

Recapitulation

Students in the College	100
Students in the Corcoran Scientific School	246
Students in the School of Graduate Studies	70
Students in the Law School	257
Students in the School of Comparative Jurisprudence and Diplomacy	90
Students in the Medical School	213
Students in the Dental School	65
Students in the Summer School	78
Total	1,419

GEOGRAPHICAL DISTRIBUTION OF UNIVERSITY STUDENTS.

Alabama.....	9	Maryland.....	73	South Carolina.....	12
Arizona.....	1	Massachusetts.....	33	Tennessee.....	23
Arkansas.....	5	Michigan.....	30	Texas.....	14
California.....	6	Minnesota.....	13	Utah.....	2
Colorado.....	5	Mississippi.....	11	Vermont.....	4
Connecticut.....	12	Missouri.....	11	Virginia.....	102
Delaware.....	1	Montana.....	3	Washington.....	3
Dist. of Col.....	323	Nebraska.....	15	West Virginia.....	9
Florida.....	3	Nevada.....	1	Wisconsin.....	17
Georgia.....	17	New Hampshire.....	7	Wyoming.....	3
Idaho.....	2	New Jersey.....	17	Canada.....	1
Illinois.....	33	New York.....	59	Chili.....	1
Indiana.....	22	North Carolina.....	24	China.....	1
Ind. Territory.....	3	North Dakota.....	2	Germany.....	2
Iowa.....	16	Ohio.....	42	Hungary.....	1
Kansas.....	10	Oklahoma.....	2	Greece.....	1
Kentucky.....	13	Oregon.....	4	Guatemala.....	1
Louisiana.....	13	Pennsylvania.....	67		
Maine.....	11	Rhode Island.....	1	Total.....	1,110

INDEX.

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THE COLUMBIAN UNIVERSITY.

PRESIDENT'S ANNUAL REPORT

FOR THE

YEAR 1898-1899.



WASHINGTON, D. C.
JUDD & DETWEILER, PRINTERS.

1899.

ANNUAL REPORT OF THE PRESIDENT.

THE COLUMBIAN UNIVERSITY,

MAY 17, 1890.

TO THE BOARD OF TRUSTEES

OF THE COLUMBIAN UNIVERSITY.

GENTLEMEN: I have the honor to submit the following report for the year just closing.

Changes in the Board.

The membership of the Board has been broken during the year by the death of James Polard, Esq., of Baltimore. Mr. Polard was born in Virginia in 1842. He held the degrees of Bachelor of Philosophy and of Bachelor of Laws from The Columbian University, conferred in 1869. His membership in the Board dates from 1881. Appropriate resolutions were adopted by the Board upon being advised of the death of Mr. Polard, and may be found in the record of the meeting of October 12, 1890.

It is well known to the Board that our esteemed colleague, Dr. Ous T. Mason, has suffered greatly from ill health for a year past. It has been a matter of great satisfaction to us all that Dr. Mason has been able to resume his regular professional appointments. His duties as Secretary of the Board, however, involved labors which could not fail to be burdensome, and January 1st, 1890, he asked to be relieved of his office as Secretary. The Board could not do otherwise than accede to his request. Charles W. Needham, Esq., was appointed to the Secretaryship so vacated.

In the reorganization of the Law School Charles W. Needham, Esq., was made Professor of the History of Law, Trusts, and Trades Unions, and in the organization of the School of Comparative Jurisprudence and Diplomacy Mr. Needham was made Dean and Professor of Comparative Jurisprudence, Transportation, and Interstate Commerce Law. According to the provisions of the Charter a person cannot be a Trustee and a Pro-

fessor at the same time. It became necessary, therefore, for Mr. Northman to be excused from his membership in the Board of Trustees, and his resignation was accepted January 11, 1899. Mr. Northman had served faithfully on the Board since 1893. His withdrawal from the Board was a matter of genuine regret to his colleagues, although that regret was tempered by the fact that he was to devote his energies to the enlargement of the Schools of Law. He is now serving in that capacity, and his service is proving of great value.

The death of the Rev. Robert Ryland, D. D., of Roanoke, Va., calls for special notice. For years **Death of Dr. Ryland.** Dr. Ryland has enjoyed the distinction of being the oldest graduate of Grace College. He graduated in the College class of 1826, received the degree of Master of Arts in 1831, and the degree of Doctor of Divinity in 1860. From 1840 to 1844 Dr. Ryland was President of the Virginia Baptist Seminary. He was the founder and the first President of Richmond College, serving the institution for twenty-two years from 1844 to 1866. Dr. Ryland died April 21, 1899, at the age of ninety-four.

CHANGES IN THE FACULTIES

A number of changes have taken place in the Faculties of the different Schools during the year. They follow in order.

By Death. Prof. George Byrd Harrison, M. D., Professor in Pediatrics in the Medical School, died July 18, 1898. Dr. Harrison was born in Virginia in 1840, received his degree at the University of Virginia in 1870, and was appointed to the Medical School in 1884.

Dr. Nathan Smith Lincoln, Emeritus Professor of Surgery in the Medical School, died October 14, 1898. Dr. Lincoln received his Bachelor's degree from Dartmouth in 1836, his Master's in 1837, and his M. D. from the University of Maryland in 1853. He came to this University in 1860 as Professor of Chemistry and Natural History, and continued in the service of this institution until the time of his death, with the exception of the time spent as a surgeon in the Army during the War of the Rebellion.

By Resignation.

COLLEGE

Prof. Charles W. Downing, A. M., Professor of Latin.

CORCORAN SCIENTIFIC SCHOOL

Prof. Luther S. Edwards, Mech. E., Professor of Mechanical Engineering.

Helen R. Pate, A. M., Assistant Professor of Latin and Greek.

Prof. Charles W. Downing, A. M., Professor of Latin.

SCHOOL OF GRADUATE STUDIES

Prof. Charles W. Downing, A. M., Professor of Latin.
Dr. H. Corbington Borton, Instructor in the History of Chemistry.

By Appointment.

CORCORAN SCIENTIFIC SCHOOL

Gerstey Ayres, Mech. E., Professor of Mechanical Engineering.

W. Edwin Priest, Assistant Professor of History.

Roy Z. V. Spence, Assistant in Romance Languages.

Rosal Palge Clark, A. B., Assistant in French.

William E. Hoos, Ph. D., from Acting Assistant Professor to Assistant Professor of Latin and Greek.

Prof. Charles W. Downing, Professor of Latin.

Caladi Whitehead, Ph. D., Lecturer on Metallurgy.

Peter Freeman, Ph. D., Assistant Professor of Organic Chemistry.

Walter F. Bowen, Assistant in Assaying.

Fredrick C. Jones, B. S., Assistant in Chemistry.

Christopher G. Storm, B. S., Assistant in Chemistry.

Raymond Sayer, Instructor of the Prosthetic Class in the Department of Fine Arts as Applied to Architecture.

Charles S. Hyde, Ph. B., Assistant in German.

The following named have been promoted in one or more from an instructorship to assistant professorship in their respective departments.

Thomas J. D. Fuller, Architecture.

Henderson Presnell, Library Science.

William P. Cutter, Library Science.
 Domingo A. Usina, Applied Mathematics.
 Henry A. Pressey, Civil Engineering.

GRADUATE SCHOOL

Gustav Ayres, Mech. E., Professor of Mechanical Engineering.
 Prof. Herbert Louis Rice, B. S., M. S., Professor of Astronomy.
 Prof. Charles W. Downing, A. M., Professor of Latin.

LAW

Edward C. Brandenburg, LL. M., Instructor in Procedure in Bankruptcy.
 Walter C. Clephane, LL. M., Instructor in Moot Court Work.
 Francis H. Stevens, LL. M., Instructor in Moot Court Work.
 Charles Ray Dean, LL. B., Secretary of the Schools of Law.

MEDICAL

Randolph B. Carmichael, M. D., Professor of Clinical Dermatology.
 J. E. Jones, M. D., Assistant Demonstrator of Anatomy.
 Albert L. Lawrence, M. D., Junior Demonstrator of Chemistry.
 Edward E. Richardson, M. D., Assistant Demonstrator of Anatomy.
 Benjamin F. Tiefenthaler, Assistant Demonstrator.
 R. Washington, M. D., Assistant Demonstrator of Anatomy.

DENTAL SCHOOL

Henry W. Johnson, D. D. S., Demonstrator in Charge of Dental Infirmary.

On nomination of the Dean of the School of Graduate Studies and with the approval of the Committee on that School, Assistant Professor Domingo A. Usina, C. E., was appointed Assistant Professor of Applied Mathematics in the School of Graduate Studies. At the same time the Departments of Applied Math-

ematics and of Mathematical Physics were combined and placed under the charge of Assistant Professor Usata. I respectfully recommend that this appointment be confirmed by the Board.

The resignation of Professor Downing leaves the Chair of Latin vacant. I recommend that Professor Mitchell Carroll, Ph. D., be made Acting Professor of Latin and Lecturer in Classical Archaeology for one year, at a salary of \$7,500.

The attendance during the year has been exceedingly satisfactory. I had the honor one year ago to report that the enrollment for 1897 was considerably exceeded that of any previous year in the history of the University. It is a matter of gratification that an increase over last year can be reported for the present year. The total enrollment is 1,125, distributed through the different schools as follows:

Students in the College	104
Students in the Corsican Scientific School	248
Students in the School of Graduate Studies	70
Students in the Law School	237
Students in the School of Comparative Jurisprudence and Diplomacy	90
Students in the Medical School	213
Students in the Dental School	65
Students in the Summer School	78

The spirit of the students has been quite as gratifying as the attendance. There has been entire absence of disorder, and in many all of the schools unusual interest in the work is reported.

REPORTS OF DEANS.

The reports of the Deans of the different schools follow in order.

Dean Huntington reports:

The Columbian College.

"The number of students enrolled for the year now closing is 104. Of these 12 are studying for the degree of Bachelor of Arts, 35 for the degree of Bachelor of Science, and 27 are pursuing special courses of study.

The department of the students has generally been excellent, and but little discipline has been required.

As a Faculty, we greatly regret the withdrawal from us of our colleague, Prof. C. W. Downing, who has been compelled by protracted ill health, to resign his position as professor of Latin in hope of finding elsewhere a more congenial climate. He had been but a short time with us, and yet long enough to cause both officers and students to look upon his retirement as a great loss to our institution.

And for other departments also which are still vacant there is an urgent demand for able professors.

The College is also in great need of a small library of the best books of reference for the use of the professors and students in each branch of study. Even a limited number of books of the highest authority in the several departments would do much for the promotion of study and investigation, and the absence of such helps is an obstacle to the success, thoroughness, and pleasure of college work.

Dean Hodgkins reports.

**The Corcoran
Scientific School.**

The enrollment for the session has been 248, a number greater than for any previous year. The number of graduates will be twenty-four, distributed as follows:

Bachelor of Science in Architecture	1
Bachelor of Science in Chemistry	4
Bachelor of Science in Civil Engineering	3
Bachelor of Science in Electrical Engineering	3
Bachelor of Science in Geology and Mineralogy	1
Bachelor of Science in General Science	8
Bachelor of Science in Language and Literature	1
Bachelor of Science in Mechanical Engineering	3

The following table shows the number of students taking courses in each Department of Instruction, the number of hours of class-work actually given each week, and the number of instructors who give courses.

Department	Students	Professors	Teachers
Applied mathematics	28	13	2
Architecture	7	5	2
Astronomy	17	2	1
Biblical literature	5	3	1
Botany	11	4	1
Chemistry	79	6	6
Civil engineering	21	12	2
Drawing	17	4	2
Economics	6	6	2
English	69	13	1
Fine arts	46	9	1
Geodesy	1	1	1
Geology and mineralogy	35	6	2
German	39	6	2
Greek	10	6	1
History	15	6	2
Latin	11	8	1
Library science	26	14	3
Mathematics	110	20	2
Mechanical engineering	32	19	2
Philosophy	19	4	1
Physics and electricity	43	13	2
Romance languages	77	16	3

The hours given above are the hours of class-room work, additional hours are given to laboratory work, the Chemical Laboratory being open every evening in the week, but not on each evening, and the Physical and Mineralogical Laboratories being open two evenings each week.

From an inspection of the figures given above it will be seen that, on an average, there have been one hundred and twenty-seven hours of recitation or class-work each week, in addition to the many hours of laboratory supervision and instruction. This is about three-fourths of all the work offered by the Faculty.

I cannot commend too highly the able and conscientious work of the Faculty. They give their time, their energy, their knowledge, generously and cheerfully, and receive in return a very inadequate money return. Taking the salaries paid in the College as a basis for an estimate, though those salaries are gen-

erally admitted to be too small for the amount and grade of work given, it will be found that the average amount paid in the College for teaching one hour a week through the session is one hundred and fifty dollars. The average in the Scientific School is about one third of this, although the instruction given is as conscientious and as able as that in our College or in any other institution.

In considering the amounts received by the different instructors, it is to be remembered that with some exceptions, the University draws checks to the head of the department only, so that the Treasurer's report shows the amount paid to a department, and not to the individual teachers in the department. Since there is more than one active teacher in most of the departments, very few of those whose names are on the Treasurer's books actually receive for themselves alone the amounts stated in the records.

This work of the Faculty, faithful yet inadequately remunerated, is done under adverse circumstances and with insufficient equipment in books and apparatus. I know that you appreciate and deplore the difficulties under which we carry on the work of the School, but I feel it my duty to refer to them once more.

We are in urgent need of additional room. By various shiftings of rooms and hours we have provided recitation rooms this year; but with increasing numbers of students and an increasing demand for additional courses, our difficulties in this respect are growing greater. Several classes now meet in small rooms never intended for class rooms, inadequate in size and unprovided with suitable blackboards. I recommend most earnestly that the room on the first floor, commonly known as the Post-graduate room, be divided into two rooms. I understand that the architect estimates that the changes needed will cost less than three hundred dollars. This will be a small price to pay for the added convenience and facilities for work.

I desire also to emphasize our need of better library facilities. It is impossible to do work of the grade and character we plan to do without a better and larger equipment in books and periodicals. We need standard books and reference books in every branch of learning and our teaching suffers from the lack of such aids. I hope it will be found possible to make an appropriation for such aids.

In all departments where laboratory work is offered or desired we need further equipment. This applies particularly to the Departments of Architecture, Botany, Chemistry, Civil Engineering, Fine Arts, Geology and Mineralogy, Mechanical Engineering, Physics and Electrical Engineering, and Zoology. Practical instruction is essential to a complete education in any of these lines, and our material equipment is incomplete in every one of them.

The professor of Chemistry states that the Fitch prize will not be awarded this year, and recommends that the amount of the prize be passed to the account of the Chemical Laboratory, to be expended for equipment and supplies. In this recommendation I very cordially concur.

I recommend further that the unexpended balance of the Carter Scholarship be appropriated for the equipment of the Department of Civil Engineering, and that the unexpended balance from the Power scholarship be appropriated for the use of those Departments that are in greatest need of equipment and in which work would be taken by students holding Powell scholarships."

Dean Munroe reports

The School of Graduate Studies.

"The total number of students admitted each year since the founding of the School is as follows:

1893-1894	24
1894-1895	38
1895-1896	40
1896-1897	36
1897-1898	68
1898-1899	71

The students for the present year are distributed as follows:

For the degree of Civil Engineer	3
Electrical Engineer	1
Mechanical Engineer	1
Master of Science	15
Master of Arts	19
Doctor of Philosophy	25

Admitted in attendance 7

The degrees that have been conferred are

	B. S.	M. A.	M. S.	C. E.	P. E.
1894	4	8	3		
1895	1	7	10		
1896	2	4	8		
1897	3	4	6		
1898	1	13	5	1	1
Total	11	36	32	1	1
Total number of graduates	81				

The candidates recommended for graduation for 1899 number as follows:

Master of Arts	10
Master of Science	10
Civil Engineer	2
Total	22

The following changes have taken place in the Faculty. Mr. Gustave Ayres, M. E., has been appointed Professor of Mechanical Engineering, vice Professor L. S. Farwell, resigned; Mr. Charles W. Downing has been appointed Professor of Latin; Mr. Herbert L. Rice, M. S., has been appointed Professor of Astronomy, and Mr. Domingo A. Usua, C. E., has been appointed Assistant Professor of Applied Mathematics. Owing to the resignation of Professor H. Carrington Boston, Ph. D., the Chair of Bibliography and Bibliology is now vacant.

In the preparation of the material for the Catalogue recently issued, many of the improvements have been rewritten, and it is believed that there is a nearer approach to that character of presentation which has been deemed suitable for a school of this character.

During the year the relations of this school with the Federation of Graduate Clubs has been positive, and our announcement finds its place in the *Graduate Handbook for 1899*. This connection is one which should be carefully maintained, as the Federation is working in an intelligent and practical way to develop and secure a high standing for the graduate schools and to fix a real value to the degrees awarded by them. The connection should be maintained more especially for the reason

that while in the long run they do useful work in forming a sound public opinion, yet such organizations are likely at times to be misled by temporary influences, and it is then the duty for the older and more experienced men to offer their counsel and exert their influence to correct these evils.

During the year, through the generosity of the generous inventor, Mr. George Westinghouse, the Department of Mechanical Engineering of this school has received a gas engine and dynamo of the latest form, and, through the courtesy of the Architect of the Capitol, has received on loan a gas engine and dynamo. This addition to our plant will be of great value in the courses of Mechanical and Electrical Engineering, as well as for purposes of research in pure chemistry and physics, and the indications now are that there will be quite a number of students who desire to avail themselves of this opportunity.

In order to make these mechanisms of use and to maintain them in fit condition, it will be necessary to employ an engineer to operate and care for them. I will be that I am to employ who is also a skilled mechanic, so that under the direction of the Professor of Mechanical Engineering he may supervise the mechanical laboratory that we have been gradually developing and be available for the apparatus and constructed specimens now used in the other laboratories. I am convinced that if a suitable man can be obtained his employment will prove a real economy for the University.

An imperative need of this school felt by its departments is that of a Reference Library. Hitherto, the accumulation of monographs, periodicals, and general literature, translations of societies, and original documents in the libraries and archives of Washington, and the ease of access to them which is granted to students conducting researches, makes it unnecessary for this University to do what others, less fortunate, are obliged to do. We should have close at hand a collection of dictionaries, encyclopedias, lexicons, bibliographies, and general works of this class which our students may consult at any time.

I beg leave to again call attention to the need of a new room or laboratory in a building apart from, but easy of access to, the other buildings of the University. An immediate reason for this is found in the constant danger of fire which exists in every chemical laboratory, and which would, as our laboratory

is now placed, involve the most important buildings that we now use. A second reason why such a change should be made is found in the crowded condition of the present building and the need of more room for the growth of the other departments not only of this school, but of the other schools occupying the building. It is especially necessary to provide laboratory facilities for the Natural History Departments, for while the graduate students can find much of the material and many of the opportunities for special work in the museums, they should be provided here with the ordinary tools and requisites for laboratory research. A third reason for making this change is found in the rapid growth of chemical science, which is rendering such arrangements as we have to offer obsolete.

An important feature of the work of this school lies in the publication and distribution of the theses for which its degrees are awarded, for it is an essential feature of the publicity we seek in regard to the conditions upon which the bestowing of these degrees has been based. As now situated, we can only state that "candidates who receive the degree of Doctor of Philosophy are *expected* to have their theses printed as early as practicable after graduation, and to present fifty copies of the printed thesis to the University through the Dean, to be distributed among learned institutions;" and, as it would be an obvious hardship to compel graduates to bear this expense, we have been thus far compelled to rely entirely upon opportunity to print them in a more or less abbreviated form in such transactions of societies as we have had access to. It is essential that we should be able to *require* that the theses *shall be* printed; but to do this we should have at command a publication fund, the income of which will enable us to do this. Of course, such publications would become the property of the University, and might prove a source of income to the fund."

Dean Cox unfortunately has suffered from ill health during the closing weeks of the session. **The School of Law.** and asks to be excused from making a formal report this year. It should be stated, however, that the change of curriculum from a two-years' to a three-years' course, improving greatly the quality of the work, has apparently in no way lessened the number of students taking the course. It is doubtful whether the Law School has ever

come to the end of a session with better results to show than can be shown as the outcome of the work of the present year.

School of Comparative Jurisprudence and Diplomacy.

The most noteworthy event of the Year for the University was the opening of the School of Comparative Jurisprudence and Diplomacy. The organization of this school was authorized by the Board at the annual meeting one year ago. The opening exercises proved a marked event in the educational life of Washington. It is probable that the audience was the most brilliant ever brought together in the city for an educational meeting. Dean Needham reports as follows:

"In presenting the first annual report upon the School of Comparative Jurisprudence and Diplomacy, I may be permitted on behalf of the Faculty to express our appreciation of the support given and the facilities furnished to the School by the President and the Board of Trustees of the University, and to congratulate you on having established the first School of Comparative Jurisprudence and Diplomacy in the United States. The extended notice which the School has received in the public press and from distinguished men, the unflinching approval of its establishment and proposed work, the necessity of having men specially trained for the public and diplomatic service of the United States, and a body of lawyers thoroughly conversant with the subjects of comparative jurisprudence and international law to conduct proceedings before boards of international arbitration and commissions fully justify the wisdom of the Board in establishing this School.

The School was opened November 15, 1908, with appropriate ceremonies in University Hall. The President of the United States and members of his Cabinet, together with many other distinguished men in public life, honored the occasion with their presence. Addresses were delivered by R. I. Whitman, D. D., President of the University; Hon. John M. Harlan, LL. D., Associate Justice of the Supreme Court of the United States; Hon. David J. Brewer, LL. D., Associate Justice of the Supreme Court of the United States; Hon. Edwin J. Tamm, Secretary of the Treasury; Sir Wilfrid Laurier, Premier of Canada; Hon. John W. Foster, LL. D., ex-Secretary of State, and the Dean.

The course outlined for the first year and the assignment of the educational work were as follows:

Conflict of Laws and Comparative Constitutional Law, by Professor Hartman. One hour per week, one half year.

International Law, by Professor Brewer. One hour per week, one half year.

History of Diplomacy and Treaties of the United States, by Professor Foster. One hour per week, one half year.

Roman Law, by Professor Howe. One hour per week, one half year.

Political Science, by the President. One hour per week.

Equity Pleading and Practice, by Professor Van Devanter. One hour per week.

Transportation and Interstate Commerce Law, by the Dean. One hour per week.

Special lectures have been given: one by Hon. Lyman J. Clegg, upon finance, and two upon interstate commerce by Hon. Martin A. Knapp. Class conferences were held weekly upon the subjects taught.

Ninety men enrolled as students in this course for the first year—sixty as candidates for the degree of Master of Laws, and all with a view of taking the second year of the course and as candidates for the degree of Doctor of Civil Law or Master of Diplomacy. The attendance upon the classes has been uniform throughout the year as to numbers, and an unusual interest in the work has been shown by all the students.

The method of study followed has been by lectures, special courses of reading, and class conferences; the lectures covering the salient and important parts of the subject treated, the special courses of reading and study and the class conferences securing a full discussion of the subject. The interest of the students in the work has been very satisfactory to the Faculty.

Written examinations, seven in number, have been held. These examinations took place at the conclusion of the study upon each subject, and have been a very satisfactory test of the work and progress made by the students. Our rating has been upon the basis of 100 for perfect, and less than six have fallen below 70, while a majority of the class have been above 85 and a good number above 90 in their ratings.

In reviewing the whole year, we feel that the work has been even more satisfactory and successful than could have fairly

been anticipated. The academic year was shortened by beginning in November, and during the severe storm which prevailed in the winter our coal could not be delivered and the work had to be suspended for one week for want of heat in the building. otherwise the work has progressed without interruption.

The interest of the students in the welfare of the School has been manifested in many ways. By classification a subscription was raised among the students sufficient to purchase all the text books used upon the subjects taught, and the books were contributed to the Library. In all of their planning they have had in view constantly the future as well as the present interests of the School. Many letters have been received from different parts of the country asking for catalogues and information that were directly traceable to letters written by our students to their friends and acquaintances, showing most kindly appreciation of the work.

In view of the success of the work during the first year, and considering the interest of our students and the large number of inquiries we have had from men who contemplate taking the course, and the general interest manifested in the School, we feel confident that, with the additions already made to our Faculty, good management and enlarged facilities, the coming year will be one of marked advance and prosperity.

The following additions have been made to the Faculty:

Hon. David J. Hin, LL. D., Assistant Secretary of State.
Hon. J. L. M. Curry, LL. D., for some time Minister to Spain.
Hon. William P. Wilson, Sc. D., Director of the Philadelphia Commercial Museum; Hon. Martin A. Knapp, LL. D., Chairman Interstate Commerce Commission, and Professor Joseph French Johnson, A. B., of University of Pennsylvania.

The work for the first year class, beginning October, 1899, will be substantially the same as that pursued during the past year.

The work and the assignments for the second year class are as follows:

Political Science. One hour per week. The President.
History of Diplomacy of the United States, Organization of the State Department, Duties of Ambassadors, Ministers, and Consuls, and International Arbitration. One hour per week. Professor Foster.

Constitutional Law and Jurisprudence of the United States. Professor Harlan.

History of European Diplomacy and Treaties and European Diplomats. One hour per week. Professor Hill.

Roman Law. One hour per week. Professor Howe.

Comparative Jurisprudence. In charge of the Dean. (Special lectures for each subject.) Three hours per week.

a. History and General Principles of the Laws of India, Egypt, Palestine, and Greece.

b. History and General Principles of Roman Law, derived from Greece and developed in Rome to the time of Justinian.

c. A General View of the Law in Europe during the Middle Ages.

d. The Extension of Roman Law into some of the Great Modern States.

e. The Rise of the Common Law and its Extension into some of the Great Modern States.

f. Jurisprudence of England and her Colonies, France, Germany, Austro-Hungary, Italy, and Spain.

International Law. One hour per week, one half year. Professor Brewer.

International Trade and Commercial Geography. One hour per week, one half year. Professor Wilson.

Finance. One hour per week. Professor Johnson.

a. Theory and Functions of Money. *b.* Credits, or the Substitutes for Money. *c.* Banking. International Payments and Foreign Exchange.

Public Finance.

a. Organization of the Treasury Department. *b.* Revenues—Internal and Customs. *c.* Bond Issues. *d.* Appropriations. *e.* Disbursements.

Special Lectures.

Finance. Hon. Lyman J. Gage.

Jurisprudence of Spain. Hon. J. L. M. Curry.

Interstate Commerce. Hon. Martin A. Knapp.

The method of instruction in the second year will be by lectures, required courses of reading, and class discussions and conferences. All subjects are studied historically and comparatively, with a view to arriving at the present condition and

state of the law, thus fitting men for active and efficient service.

The enlarged work for the coming year necessarily means enlarged expenditure. While our income from tuitions will be greater, because there will be two classes and undoubtedly a larger number in the first year class than there has been the present year, yet it has seemed wise to provide a special fund to aid in meeting current expenses next year.

In this connection we are pleased to report that Mr. John D. Rockefeller has made a liberal donation of twenty five hundred dollars, to be used for the current expenses of the School for the coming year. For this generous gift we desire to express our sincere thanks. We feel sure that the expenses of the School will not hereafter be a burden upon the present resources of the University, but that any sums needed for expenses above the receipts from tuitions will be generously provided by friends of the School.

Successful as the work has been up to the present time, we believe that it can be improved, and that the School should be placed upon a permanent, self sustaining and enduring basis.

The curriculum of the School can well be enlarged, so as to provide four distinct courses, with the privilege to students in either course of electing any studies which they may desire to take in the other courses. They may be arranged as follows:

1. LAW COURSE.

Comparative Jurisprudence, Comparative Constitutional Law, International Law, Conflict of Laws, Transportation and Interstate Commerce Law, and Legal Bibliography and Biography.

2. DIPLOMATIC COURSE.

History of the Diplomacy and Treaties of the United States, Organization of the State Department, Duties of Ambassadors, Ministers, and Consuls, History of European Diplomacy and Treaties, European Diplomats, History of International Arbitration, Organization of Boards of Arbitration, Commercial and Statistical Geography, Comparative Commercial and Maritime Legislation, Possessions of the United States.

3. ECONOMIC AND FINANCIAL COURSE.

Theory and Functions of Money, Credits or the Substitutes for Money, Banking, International Payments and Foreign Ex-

change, Comparative Taxation, Public Finance, Organization of the Treasury Department, Internal Revenues and Customs, Bond Issues, Appropriations and Disbursement of Public Funds.

4. General Course.

History of Political Ideas, Political Science, Comparative Administrative Organization, Political Economy, Foreign Commerce and Trade Legislation, Comparative Civil Legislation, Comparative Criminal Policy and Legislation, Social and Industrial Economy, Prison, Health and Large Public Works, Parliamentary Law, German, French, and Spanish Languages.

The School would then furnish complete courses for men desiring to fit themselves for the higher walks of professional life and for the diplomatic and public service, and would provide a general course of culture in the broader subjects of national life.

Located in the city of Washington, with all of its facilities and opportunities for the study of these subjects, where students may meet representative men from every State in the Union and from all nations who are actively engaged in public life, the School has an unparalleled opportunity and an open field.

The permanent establishment of the School in a building of its own, and the permanent endowment of its work are essential to the full development of the plan above indicated. We believe that every effort should be made to induce some of our public spirited men of wealth to furnish sufficient money to purchase a site near the State Department, upon a prominent corner, and erect a building that would accommodate this School, with lecture, conference, library, and office rooms, and also containing consultation and meeting rooms for international bodies of arbitration and commissions that meet in Washington. These commissions are now obliged to meet in hotels, and the Government would undoubtedly favor the plan of having these meetings in a building belonging to this School. This would then become a permanent frame of the rooms and would bring the School into connection with these bodies and their work, which would be of inestimable value to us. We should be able to secure short courses of lectures from distinguished men of other nations attending upon the meetings of these bodies, and the fact that the sessions were held in our building would give a very extended notice of the School and its work.

The ground for such a building on the location indicated could be purchased and a large hall for a new building erected for an aggregate sum of two hundred and fifty thousand or three hundred thousand dollars.

An endowment is also necessary, and it may be raised in one of two ways:—First, by a general subscription for five hundred thousand five hundred thousand dollars, or second, by the endowment of chairs in the different sciences, or by some of these methods. Fifty thousand dollars would make a very good endowment for any chair or lecture course, and one hundred thousand dollars would endow either one of the first general courses above outlined. We have many men of great wealth who are showing their deep interest in educational work and patriotic endeavor. A fair presentation of the work and plans, with the hearty cooperation and influence of the Faculty and Board of Trustees, would, we feel sure, secure these splendid assets and establish the School upon a permanent and enduring basis, with ample facilities for doing this larger work.

The importance of the work and the popularity of the School are growing every day. With increased facilities, the last talent in all of its courses, and good management, there is no single organization existing today which gives promise of exercising wider or more beneficial influence upon the future political life and history of this nation. Twenty years ago our nation lay far beyond any State line and toward our future, education, and political activities have outgrown the national boundaries. We are a world power. To conduct this work and exercise this influence wisely we must have an order of men specially fitted to consider and wisely determine international and diplomatic questions. The number of students in this field of learning will rapidly increase, and, if properly trained, their influence will be very great within the nation, and international in its extent.

Happy is the man who, by liberal gifts of money, time, or talent, connects his name with such a work and such an order of men.

Benjamin Schwabach is in Berlin attending the Congress for the Prevention of Tuberculosis. In his absence, Acting Dean Shatto reports as follows:

"During the past year the work of the Medical School of the University has been very satisfactory.

The Medical School. As Dr. E. A. de Schweinitz, the Dean of the Medical School, stated in his report to you last year, the large number of Medical and Dental students 'have taxed the capacity of our lecture-rooms and laboratories to the utmost, and emphasized the importance of our securing, at an early date, a new building, with larger lecture-rooms, larger laboratories, a better and larger dissecting room, and a comfortable reading-room for the students. From the time we began to make improvements in our laboratories there has been a steady increase in the number of students, and with more room and still better facilities, (and a more attractive building,) our school, I think, would in a very short time be the only medical school of any importance in the city.'

The Columbian University Hospital, made possible by the generous coöperation of yourself and the Board of Trustees, has been finished and successfully working since the last report of the Dean. Most excellent work has been accomplished in the Hospital, through which valuable clinical instruction has been imparted to the medical students. The educational value of the Medical School has been greatly enhanced through our possession of the University Hospital.

The professors and instructors have been attentive to their duties and the students have, as a rule, displayed enthusiasm and interest in their work. Dean de Schweinitz is at present in Berlin, Germany, attending the Congress for the Prevention of Tuberculosis, having been appointed a delegate by the Secretary of State to represent the United States Government at the Congress."

Dean Lewis reports as follows:

The Dental School. "There were 65 students enrolled, divided as follows: In the freshmen class, 24; juniors, 20, and seniors, 21. In the senior class, 13; passed all examinations, 1; left the school, 4; decided to remain another year, 8. Three failed in their examinations. Of the 20 juniors, 14 qualified for entrance into the senior class of next year, 3 dropped out and 3 expressed a desire to take the examina-

ations in the fall. Of the 24 freshmen, 15 qualified for entrance into the junior class of next year, 4 decided to wait for the fall examination, and 5 failed to attend regularly. During the session 1897-'98 there were 70 students enrolled, so that this year sees a falling off of 5.

It happens as a curious coincidence that just 5 of our last-year students have obtained more or less remunerative employment from the National Government as a result of the war with Spain.

The real cause of the fact that the Dental School did not increase its attendance this year, plainly to my mind, is that a dental college recently started in this city (making the fourth) has a better building and vastly superior laboratory and clinical equipment, for these reasons attracting students who would otherwise have come to us.

I deem it my duty to call your attention to the fact that the laboratory and clinical equipment of the Dental School is inadequate in amount and antiquated in style."

Dean Salmon reports as follows

The Veterinary School.

"Replying to your note of the 10th instant, which reached the Department during my absence from the city, I regret that I can make no report as Dean of the Veterinary Department, further than to say that there have been no students entered since the establishment of the post-graduate school. I think this is due to the fact that veterinary schools everywhere have suffered for seven years. I find that one of the schools in New York city, which only a few years ago regularly graduated fifty or more men annually, has only two graduates this year. Much as I regret this condition of affairs, I must advise that the veterinary course be dropped from the catalogue, at least until there is a revival of the interest in this profession and its work."

The Library. The attention of the Board has on many occasions been asked to the library of the library departments of the University. It is unfortunate that we have nothing like a working library. A large library for a college in the city of Washington is of course unnecessary. The splendid collections available for advanced work make it

unnecessary to spend money in that direction. We do need, however, a working collection of books, and that we do not possess. The matter has lain heavily upon the minds of the College Faculty during the year, and they beg to submit the following recommendation. It should be understood that the paper was prepared by a Committee of the Faculty, acting under the appointment of the Faculty. The report of the committee was adopted by the Faculty, with the request that the President lay the recommendation before the Board of Trustees. This request I have now the honor to carry out.

"In obedience to your direction, your committee begs leave to report that a library is essential to the proper working of the Academic Departments of the Columbian University.

That at present we have no library.

That we urge that an appropriation be made for a general Reference Library, consisting of dictionaries, encyclopedias, and similar works; that limited and equal appropriations be made for special working libraries for each department.

That a librarian be appointed to take direct charge and supervision of the Reference Library, and to receive, catalogue, and issue books for permanent deposit in the Departmental Libraries, and to take an annual inventory of all the books in the Reference and Departmental Libraries.

That only such books be purchased for any Departmental Library as are selected by the head of that department.

That each head of department shall be asked to recommend books for the Reference Library that are suitable and necessary for the work in his department, and that in the purchase of books for this library they shall be, as nearly as possible, apportioned equally between the various departments."

The attention of the Board is called to the method of distributing scholarships in the College. By an ordinance of the Board six scholarships are annually assigned to students in the Washington high schools in addition to the Kendall scholarship. That not less than seven scholarships yearly offered to local students on competitive examinations. Moreover, all these scholarships run through the entire four years of the College course. The result is that under normal conditions there are at all times in

the College 28 students enjoying full scholarships by special provision of the Board. There are in addition always some students who simply cannot attend College if they do not receive aid. The proportion of students holding scholarships in the College is therefore very large. The special point in the case may be found in the fact that the great majority of our College students are from Washington. That means that we are to secure the major portion of the College income, so far as fees are concerned, from local students. If local students are in large numbers exempted from College fees, there is no way to reduce the current deficit in the College accounts, which has assumed somewhat alarming proportions in recent years. I would respectfully call the attention of the Board to this matter, with the reminder that it is by their own ordinance that such disproportionately liberal provision has been made for students whose College expenses are reduced to the lowest possible point by the fact that they live at home and find work, if at all, income from College fees must be expended.

The Columbian Building.

The new office building on Fifth street was completed and ready for occupancy December 1, 1898. This building has been the subject of universal admiration. Part of the rooms are now occupied, and it is believed that the building will prove a wise investment of the Endowment Fund.

At the annual meeting in 1898 the Board authorized the erection of a building for the use of the Schools of Law. That building was occupied by the classes of the Schools January

1, 1899. The evening preceding a reception to the friends of the law students was given. Since the opening of the building it has been in use continuously, and every new test applied to it furnishes additional proof of its thorough and efficient character. The efficiency of the work of the Schools of Law has been greatly increased by this new equipment. The expenditure authorized by the board was \$40,000. The cost of the building including all appointments, was approximately \$35,000. A brief description of the building follows in the words of the Committee of the Board appointed to supervise its erection and equipment.

Description of Building. Law Lecture Hall has a frontage on H street of $61\frac{1}{2}$ feet by a depth of $61\frac{1}{2}$ feet; it is three stories high, the top of the cornice being 49 feet above the grade of the sidewalk; under the first story there is an air space in which are the main steam-heating pipes and indirect radiators; this air space does not extend under the entrance hall, the floor of the hall being upon earth. The steam pipes are connected through an underground conduit with the boilers in the main building.

The building contains on the ground floor an office for the Dean of the School of Comparative Jurisprudence and Diplomacy, an office for the Dean of the Law School, an office for the Secretary of the Schools of Law, and Jurisprudence Hall, a lecture-room 30 by 50 feet in area.

On the second floor there is an office for the President, room for the Faculty, Lavatory, and two lecture-rooms, "A" and "B," each 28.34 feet by 30 feet in area.

On the third floor there are two rooms for Moot Courts, a reception-room, and a library, the library being 302 by 58 feet in area. The reception room on this floor has an elliptical ceiling, with a ventilating screen opening into a space connected with the outer air by a large Emerson cap, and is arranged with benches, chairs, and table as a waiting and smoking room for the students.

The exterior of the building is faced on four sides with gray Ridgeway bricks, above a base of semi-vitrified paving-bricks with belt courses of terra cotta.

The walls of halls and stairways are faced with Toronto buff bricks, and the walls of the lavatory faced with glazed and red bricks.

The walls are of brick, the partitions separating the lecture-rooms in the second story being of masonry. The stairs are of iron and slate, the floor of the lavatory is carried by iron beams and terra cotta arches, paved with tile. The entrance hall is paved with brick, and in other portions of the building the construction is of wood.

The foundation flooring of the first-story offices and the library is of oak; the balance of the flooring is of Alabama pine. The general wood foundation is of oak. The walls and ceilings are plastered with a quick-setting plaster. The general contract

included oak flooring in the Library and platforms and desks for the Most Court rooms.

The entrance portico has columns of granite from Milford, Massachusetts, with caps and entablature of Portland terra cotta.

The building is lighted with electric lights, the wiring being carried through iron pipes built into the brick work as the walls were constructed. There are also gas pipes in the building, with outlets in each room, with one or more fixtures. The purpose, however, is to light the building with electricity. The three lecture halls are seated with orchestra chairs and tables furnished by the Grand Rapids School Furniture Company.

Cost of Building

John McCreger's general contract	\$27,515 00
John McCreger's extras allowed	340 50
Royer & Murem, cast-iron wiring	585 40
Charles A. Middleman, gas and electric fixtures	392 45
A. F. Janss, fireplace fixtures and window grates	121 40
Coomes & Co., painting	45 00
Haas & Sargent, lettering	40 00
J. H. Corning, fire proof, screens, etc., for grates	84 00
Gas Company's main	26 50
Landed glass windows	90 00
Jackson & Sharp, three benches	188 60
Jackson & Sharp, three reading desks	32 00
Architect's fees	1,500 00
Miss Grace Lincoln Temple	50 84
Grand Rapids School Furniture Co., seats for lecture halls	1,226 40
Total	\$32,247 08

Additions to Balance

Zellers & Co., new boiler	\$874 00
Cement back of boiler	7 00
High backs of boilers	11 67
Survey of lot	6 00
Total	\$898 67

Exhibit

Jackson & Sharp

9 library tables.	\$250.00
1 table for reception room.	37.00
	<hr/> \$287.00

W. B. Moses & Sons

3 oak double desks.	\$190.00
9 oak side chairs.	46.35
9 oak arm chairs.	69.75
6 S. and S. chairs.	28.50
1 leather sofa special.	75.00
1 leather couch.	32.00
90 oak bent wood chairs.	112.50
1 oak desk (from App.)	19.50
20 yards olive velvet.	34.15
10 yards olive velvet, made and laid.	2.95
15 yards lining.	1.50
11 yards Savonmère.	16.88
11 yards Savonmère, made and laid.	1.69
7 yards lining.	.70
Moving desk, etc.	2.00
2 brush mats.	10.00
2 wire mats.	8.00
1 oak wardrobe.	9.50
1 oak extra shelves.	4.50
1 crust rug.	12.00
2 oak S. and S. chairs.	12.00
Total.	<hr/> \$665.70

Carter.

Returned sofa.	\$32.00
Item January 3.	2.00
Item January 13.	1.50
	<hr/> \$35.50
1 roll top desk and S. S. chair.	<hr/> \$600.20
	<hr/> \$635.70

Moving sale	
Wyckoff, Seaman & Bettschiet, 1 typewriter and stand,	\$6.00
Woodward & Lothrop	102.00
120 bent wood chairs	
1 bus, \$40 each	200.00
Window shades	160.00
	45.00
	\$500.00

RECAPITULATION

Building and improvements	\$42,317.08
Additional boiler	888.67
Furniture and fittings	1,256.65
	\$44,462.40

In concluding their report, the Committee heartily commend the architects, Messrs. Hornblower & Marsand, for the very excellent plan of the building and their prompt and satisfactory services in superintending the construction thereof. They also acknowledge their obligations to Messrs. L. and J. Temple for their valued services in selecting the colors for the interior painting and colored glass windows, and the pipes, outlets, and other fittings, making a numerous and pleasing interior. They also commend the contractor, Mr. John McGregor, for his excellent work.

The only work to be done is the improvement of the first story hallway, which Mr. McGregor offers to do, without further cost to the University, during June, the pavement to be of broken marble, of the same character and kind as is used in the University Hospital, and also the floor to the fireplace in the first floor office room, northwest corner, is to be changed without cost, to secure a better draft.

The Board have already been advised of the favorable action of Congress in regard to the petition of the University for an amendment to the charter. By laws also have been enacted. The charter and by laws of the University as now in force are given in full, as follows:

Charter and By-laws.

CHARTER, ORDINANCES, AND BY-LAWS

OF THE

COLUMBIAN UNIVERSITY

CHAPTER

An act to incorporate the Columbian College in the District of Columbia

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That there be erected, and hereby is erected and established, in the District of Columbia, a college, for the sole and exclusive purpose of educating youth in the English, learned, and foreign languages, the liberal arts, sciences, and literature; the style and title of which shall be, and hereby is declared to be, "The Columbian College in the District of Columbia."

(Act of Congress, approved February 9, 1821)

2. The first Trustees of the said College shall consist of the following persons, viz: Obadiah B. Brown, Luther Rice, Enoch Reynolds, Josiah Meigs, Spencer H. Cone, Daniel Brown, Return J. Meigs, Joseph Gibson, Joseph Cone, Thomas Corcoran, Burgess Allison, Thomas Sewall, and Joseph Thaw; which said Trustees, and their successors, shall forever hereafter be, and they are hereby declared to be, one body politic and corporate, with perpetual succession, in deed and in law, to all intents and purposes whatsoever, by the name, style and title of "The Columbian College in the District of Columbia," by which name and title they, the said Trustees, and their successors, shall be competent and capable, at law and in equity, to take to themselves and their successors, for the use of the said College, any estate, in any messuage, lands, tenements, hereditaments, goods, chattels, moneys, and other effects, by gift, grant, bargain, sale, conveyance, assurance, will, devise, or bequest, of any person or persons whatsoever: *Provided*, The same do not exceed, in the whole, the yearly value of twenty five thousand dollars; and the

same messengers, birds, instruments, indentments, and estate, real and personal, to grant, bargain, sell, convey, assign, devise, and to take let and purchase an interest for the use of the said College, in such manner as to them shall seem most beneficial to the said nation, and to receive the rents, issues and profits, income and interest of the same, and to apply the same to the proper use and benefit of the said College; and to the same uses to use, exercise, execute and extend, interpret and be interpreted, in any contract, real and equity, and in all manner of suits and actions whatsoever, and generally, by and in the same name, to be and to be made in and every, the business touching or concerning the premises. (17.)

3. *It is enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That the act to incorporate the Columbia College in the District of Columbia, approved February ninth, eighteen hundred and twenty one, be, and the same be, so amended that said corporation shall be hereafter known and called by the name of The Columbia University, and in that name shall have full and entire use and enjoyment of all the real and personal property now belonging to said College, or that may hereafter be conveyed, devised or bequeathed to said corporation, as its original nature, and that the restriction of the yearly value of the property of said corporation to the sum of twenty five thousand dollars be, and the said restriction is hereby, repealed.

(Act of Congress, approved March 3, 1827.)

4. *It is enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That the said Trustees shall cause to be made for their use one common seal, with such devices and inscriptions, in such form as they shall think proper, made and by whom all deeds, diplomas, certificates, and acts of the said College, shall pass and be authenticated, and the same may, at their pleasure, be broken, and devised anew.

(Act of Congress, approved February 9, 1821.)

5. The said Trustees shall be empowered in and transmitting all the business and concerns of the said College and otherwise, provided for by this act, and authority of making and granting ordinances for the government of the said College, of electing and appointing the President, professors and tutors for the said College, of agreeing with them for their salaries and stu-

penals, and removing them for misconduct, or breach of the laws of the institution, or appointing committees of their own body to carry into execution all and every the resolutions of the Board. Opposite to a President, Treasurer, Secretary, stewards, managers, and other necessary and customary officers, for taking care of the estate and managing the concerns of the corporation; and generally, a majority of voices of the Board, or quorum of the said Trustees at any annual and occasional, or adjourned meeting, after notice given as aforesaid, shall determine all matters and things, although the same be not herein particularly mentioned, which shall occasionally arise, and be incidentally necessary to be determined and transacted by the said Trustees. *Resolved*, That no ordinances shall be of force which shall be repugnant to this charter, or to the laws of the District of Columbia. (H.)

6. The Columbian University, on and after the first day of June, eighteen hundred and ninety-eight, shall be under the management and control of a Board of Trustees, consisting of twenty-two members; the President of the University shall be ex officio a member of said Board, and the remaining twenty-one shall be divided into three classes with seven members in each class; a majority of said Board shall be residents of the District of Columbia, and seven members shall constitute a quorum for the transaction of business; that on or before the thirty-first day of May, eighteen hundred and ninety-eight, a meeting of the Trustees and Overseers of said University shall be held, and said meeting shall elect twenty-one trustees, seven of whom shall be designated to serve from the first day of June, eighteen hundred and ninety-eight, until the annual meeting in eighteen hundred and ninety-nine; and seven from the same date until the annual meeting in nineteen hundred; and seven until the annual meeting in nineteen hundred and one. Two-thirds of said Trustees, and also the President of the University, shall be members of regular Baptist churches; that is to say, members of churches of that denomination of Protestant Christians that usually known and recognized under the name of the regular Baptist denomination; said Trustees so elected shall serve for the periods mentioned and until their successors are elected. On the first day of June, eighteen hundred and ninety-eight, the term of office of the present Trustees and Overseers

shall cease and determine, and there shall be no effect and no arrangement of said University, its property and trusts, shall vest in the Board of Trustees created as hereinafter provided, and their successors.

(Act of Congress, approved March 18, 1865.)

7. At the annual meeting in eighteen hundred and ninety-nine, and annually thereafter, there shall be elected by the Board of Trustees seven trustees to fill the period of the year whose terms of office expire, and the Board of Trustees may prescribe in a by law the mode of selecting successors for election as Trustees. A full term of Trustees at the annual meeting shall not create vacancies in the Board, but such vacancies may be had and vacancies occurring during the year may be filled for the unexpired term by the Board at any general or special meeting. (1)

8. The Board of Trustees provided for herein shall have, and they are hereby given, full power and authority to appoint and remove any and all officers, professors, lecturers, teachers, tutors, agents, and employees who are now or may hereafter be elected or appointed; they may, by a vote of two-thirds of all the Trustees constituting said Board, adopt and change by laws for the conduct of the business and educational work of said University; they may appoint an executive committee composed of Trustees, designate the number and chairman thereof, with such powers and authority as are usually exercised by an executive committee, and which shall be confirmed by the Board; subject always to the control of the Board of Trustees, they may create and establish, schools and departments of learning to be connected with and become a part of said University; they may receive, invest and administer donations and gifts of money and property for the maintenance of educational work by said University, and by any department and school thereof now established or which may hereafter be created or established by said University, and they shall have all the powers and authority heretofore granted to and vested in the trustees and overseers of said University. (2)

9. The annual meeting of the Board of Trustees shall be held in the city of Washington, District of Columbia, on the Wednesday

day nearest the first day of June in each year. Two other stated meetings shall be held on the second Wednesday of October and January in each year, and special meetings may be called by the President of the University or by the executive committee or by seven members of the Board of Trustees upon such notice and at such hour and place as may be designated in the by-laws. At all meetings any business necessary to be transacted may be considered and acted upon, and any meeting may be adjourned from time to time by the Trustees present, whether constituting a quorum or not, notice of such adjournment to be given, as of such meetings, to those Trustees not present. (Ib.)

10. The terms of office of the President of the University, the Secretary, the Treasurer and other officers, professors, and lecturers, and the employment of agents and employees, and the title to and the property and rights in and management of the endowment funds of the University shall not be affected by the change of management hereby provided for, but they shall continue and be subject to the control and management of the Board of Trustees hereby created in so far as they are now subject to the control and management of the corporation. (Ib.)

11. The head or chief master for the said College shall be called and styled "The President," and the masters thereof shall be called "professors and tutors," but neither President, professors, or tutors, while they remain such, shall ever be capable of the office of Trustee.

(Act of Congress, approved February 9, 1871.)

12. *And be it further enacted*, That the President, professors, and tutors, or a majority of them, shall be called and styled "The Faculty of the College," which faculty shall have the power of enforcing the rules and regulations adopted by the Trustees for the government of the expenses of students or suspending them, and finally by suspending most of them, after repeated admonitions, and continuing disobedient and contrary; and a determination of a majority of the Trustees can be had; and of granting and conferring, by and with the approbation and consent of the Board of Trustees, dignities by their ordinances, such degrees in the liberal arts and sciences, to such pupils of the institution, or others, who by their proficiency in

teaching, or other free college education. They shall think entitled to them, as annually granted and conferred in colleges; and to confer to such graduates, by means of certificates, under their common seal, and signed by the faculty, to authenticate and perpetuate the memory of such graduation. *It.*

12. *And he is further moved*, That persons of every religious denomination shall be eligible of being elected Trustees, nor shall any person, either as President, professor, tutor, or pupil, be refused admittance into said College, or denied any of the privileges, immunities, or advantages thereof, for or on account of his sentimental denunciations of religion. *It.*

13. *And he is further moved*, That no instrument of the said corporation shall defraud or annul any gift, grant, devise, or bequest to or from the said corporation. *Resolved*, The intent of the parties shall sufficiently appear upon the face of the gift, will, devise, or other writing, whereby any estate or interest was intended to pass to or from the said corporation. *It.*

14. *And he is further moved*, That the constitution of the said College, heretofore lawfully declared and established, shall be and remain, the inviolate constitution of the said College forever, and no extra shall not be altered, amendable by any ordinance or law of the said Trustees. *Resolved*, That it may be lawful for the Congress of the United States to revoke and repeal this act, in any and at all times whenever they shall think fit so to do. *It.*

15. *And he is further moved*, That it shall be the duty of the said Board of Trustees to keep a regular book or journal, in which shall be entered, under their direction, besides an account of all their ordinary acts and proceedings, all the by-laws, ordinances, rules, and regulations, which may be adopted by the said Board, for their own government, and for the government of the institution; also, a schedule of all the property and effects, real, personal, or mixed, which shall or may be vested in the said Trustees, for the use of the said College, by virtue of any gift, grant, bequest, sale, will or otherwise, together with annual statements concerning the amounts and finances of the institution. *It.*

17. *Enacted by the Legislature.* That the employment or application of the funds or income of the said corporation in any part thereof, for any purpose or object other than those expressed and defined in the first section of this act, or the investment thereof in any other mode than is described and provided in the second section thereof, shall be deemed and taken to be a forfeiture of all the rights and immunities derived from this act, and the same shall thereupon cease and become null and void. *(Ib.)*

18. The Columbian College, in the District of Columbia, chartered by and organized and acting under the act of Congress approved February nine, eighteen hundred and twenty one, may, from the proceeds of any sale of its property, apply such sum as may be needful to place its libraries, buildings, and apparatus of instruction in good condition, and execute all deeds needful to quiet the title of property already sold.

(Act Territorial Legislature, approved July 25, 1871.)

19. The Trustees shall, by ballot, elect from among the Trustees two suitable persons, one to be President and the other to be Treasurer and Secretary of said corporation and of the Board of Trustees, and by ballot elect such teachers, tutors, professors, lecturers, and President, and with such salaries and duties as said corporation may deem proper.

(Act Territorial Legislature, approved July 25, 1871.)

20. No real estate or other property shall, after the twenty-fifth day of June, eighteen hundred and seventy two, be disposed of by the Trustees, except by vote of the corporation or in pursuance of its ordinances.

(Act Territorial Legislature, approved July 25, 1871.)

21. The act for the relief of the Columbian College in the District of Columbia, enacted by the Legislative Assembly of said District, and approved July twenty fifth, eighteen hundred and seventy one, be, and the same is hereby, approved and confirmed. *Enacted.* That this act, nor the said act of the Legislative Assembly of the said District, shall be so construed as to authorize the said Columbian University to sell or use the proceeds of any sale of land granted by Congress to said institution for any purpose other than that expressed in the act of

incorporation, and the act granting any such kind of real estate, or contrary to any will, devise, or grant of any kind of real estate heretofore or hereafter made, by any person or persons to said institution.

(Act of Congress, approved March 3, 1873.)

22. Hereafter the Treasurer and Secretary of said corporation, the Columbian University, need not be one person, but a member of the Trustees of said corporation, but the Trustees of said corporation, in convention assembled, shall annually elect by ballot two suitable persons from among the Trustees or not, as they may deem proper, one to be Treasurer and the other Secretary of said corporation and of the Board of Trustees.

(Act of Congress approved January 14, 1894.)

23. In case of the death, resignation, or inability to act of either the Treasurer or Secretary, the Board of Trustees shall have power to fill the vacancy until his successor is duly elected (16.)

BY-LAWS

FOR THE

GOVERNMENT OF THE BOARD OF TRUSTEES OF THE COLUMBIAN UNIVERSITY

ADOPTED OCTOBER 12, 1898.

ARTICLE I.

Term of Office and Duties of the President of the University.

SECTION 1. The President of the University shall hold office for life, or until his resignation be accepted, or he be removed from office by the Board of Trustees; he shall be the Executive head of the University and of all its departments, exercising

such supervision and direction as will promote the efficiency of every department; he shall be responsible for the discipline of the University; he shall preside at the meetings of the Faculties, and be the official medium of communication between the Faculties and the Board of Trustees, and between the students of the University and the Board of Trustees; he shall recommend to the Board of Trustees appointments to the several Faculties; he shall be responsible for carrying out all measures officially agreed upon by the Faculties in regard to matters committed to them by the Board, and such measures concerning the internal administration of the University as the Board of Trustees may enact.

ARTICLE II

Meetings of the Board of Trustees

SECTION 1. The annual meeting of the Board of Trustees of the Columbian University shall take place on the Wednesday nearest the first day of June of each year, at the hour of twelve o'clock noon.

SEC. 2. Stated meetings of the Board shall be held on the second Wednesdays of October and January, at the hour of twelve o'clock noon.

SEC. 3. Notice of all stated meetings shall be mailed by the Secretary of the University to each member of the Board at least five days previous to the time of such meetings.

SEC. 4. Special meetings may be called at any time by the Secretary upon the request of the President of the University, of the Executive Committee, or of seven members of the Board of Trustees.

SEC. 5. The call for special meetings shall state the nature of the business to be considered, and shall be mailed at least two days before the meeting is to be held.

SEC. 6. All meetings shall be held at the office of the Board of Trustees in the University Building, unless otherwise directed by the President of the University and signified in the notice.

ARTICLE III

Quorum

SEVEN Members of the Board of Trustees shall constitute a quorum for the transaction of any business except the election of a President of the University, when a quorum shall consist of fourteen members.

ARTICLE IV

Officers of the Board or Trustees

SECTION 1. At the annual meeting, after the election of Trustees, the Board shall proceed to organize by electing, by ballot, the following officers to serve one year and until their successors are elected and qualified: A chairman and a vice chairman of the Board of Trustees, a Secretary, and a Treasurer. The chairman and vice chairman shall be chosen from among the members of the Board.

SEC. 2. In the event of a failure for any reason to elect either or all of said officers, or in case of any vacancy from any cause, then an election may be held for the unexpired term at any meeting called for that purpose, a majority of all the Trustees being present.

SEC. 3. The officers shall perform such duties as are implied by their respective titles, and such as shall be prescribed by the By Laws.

SEC. 4. During the absence or disability of the chairman, the vice chairman shall have the authority and perform the duties of the office.

ARTICLE V

Treasurer

SECTION 1. The Treasurer shall give a bond, or shall be bonded in a security company, at the expense of the University, for the faithful performance of his duties in such sum and with such sureties as shall be approved by the Board of Trustees.

SEC. 2. He shall keep all the funds of the University in such bank or banks as the Board of Trustees shall designate; he shall keep the trust funds, and the full account thereof, separate from the current or general funds and accounts of the University; he shall make monthly statements, showing the condition and investments of the trust funds, to the Executive Committee; he shall make a full printed report annually to the Board of Trustees, showing in detail the receipts from all sources and the disbursements during the year, and he shall at such other times make such reports as the Trustees may require.

SEC. 3. He shall make payments only by checks upon the bank, signed or countersigned by the President of the University, and only for investments, salaries, bills, and expenses authorized by the Board of Trustees or the Executive Committee.

ARTICLE VI.

Executive Committee.

SECTION 1. There shall be an Executive Committee of seven members of the Board of Trustees, of which the President of the University and the Treasurer (when a member of the Board) shall be members *ex officio*. The other members of the committee shall be elected by ballot at the annual meeting, and shall serve until the next annual meeting after their election and until their successors are elected. The Board shall designate one of the members of the committee to act as chairman.

SEC. 2. In case of inability to act on the part of any member of the committee his place may be filled *ad interim* by the Board of Trustees.

SEC. 3. Four members of the committee shall constitute a quorum for the transaction of business.

SEC. 4. The committee is hereby authorized to transact such business as may require attention between the regular meetings of the Board of Trustees, and shall report its proceedings to the regular meetings of the Board of Trustees.

SEC. 5. Regular meetings of the committee shall be held monthly, and special meetings may be called by the Secretary whenever requested by the chairman of the committee.

SEC. 6. In case of inability to act on the part of the chairman of the committee, the committee may appoint a temporary chairman for the meeting, and the committee shall appoint a secretary of the committee, who shall keep in a bound volume a record of the proceedings of the Executive Committee.

ARTICLE VII.

Auditing Committee.

SECTION 1. At the regular meeting preceding the annual meeting the Board shall appoint an Auditing Committee, who shall carefully examine all the Treasurer's accounts and vouchers, and report the result of their examination to the annual meeting of the Trustees.

ARTICLE VIII.

Standing Committees.

SECTION 1. At the annual meeting there shall be appointed a committee of three members for each school or department of the University, who shall visit and inspect the conditions and conduct of the school or department and make a written report thereon to the meetings of the Board of Trustees. All recommendations to positions in the faculties, and all changes in the curriculum proposed by the President of the University shall be first submitted by him to the committee in charge of the school or department for its report thereon before action is taken by the Board of Trustees. Provisional appointments to any Faculty may be made by the President upon the recommendation of the Dean of the Faculty and with the approval of the committee of the school immediately concerned, the appointment to hold good until the next meeting of the Board.

ARTICLE IX.

Sale of Real and Other Assets.

SECTION 1. Real estate and securities of the University shall not be sold or disposed of except by direction of the Board of Trustees.

SEC. 2. All deeds and conveyances of real estate belonging to the University shall be signed by the President of the University and the Treasurer, and the same shall be acknowledged, attested, and the seal of the University attached thereto by the Secretary.

ARTICLE X.

Amendments.

SECTION 1. These By-laws may be amended or repealed at any meeting of the Board by a vote of two-thirds of all the members of the Board.

ARTICLE XI.

Repeal of By-Laws.

SECTION 1. All By-Laws heretofore enacted have hereby repealed.

The year has been a good one in many ways. **Conclusion.** In attendance, in spirit, and in general efficiency we have amply justified ground. The very fact of progress, however, has made the needs of the University more pressing than ever before. The one thing most needed at the present moment is money. Students are here. Teachers are here. More students ready to come. The work could be increased in every direction with larger resources. The Board of Trustees is composed of far-seeing, high-hearted men. The faculty and the students are hoping that through the wise planning and devoted effort of the Board the way will open to secure the increase of endowment, which will enable the University to realize the possibilities of the splendid land in which it is placed.

Respectfully submitted,

B. L. WHITMAN.



THE COLUMBIAN UNIVERSITY.

WASHINGTON, D. C.

REPORT OF THE TREASURER

FOR THE

SEVEN MONTHS ENDING DECEMBER 31, 1899.



WASHINGTON, D. C.

JANUARY 15, 1900

THE COLUMBIAN UNIVERSITY,
WASHINGTON, D. C.

REPORT OF THE TREASURER

FOR THE

SEVEN MONTHS ENDING DECEMBER 31, 1899.



WASHINGTON, D. C.
JUDD & DETWEILER, PRINTERS.
JANUARY 10, 1900

REPORT OF THE TREASURER.

SCHEDULE "A" is a Detailed Statement of Receipts and Disbursements.

- " "B," Statement of the Receipts, Disbursements, and Investments of the Scholarship Funds, Corcoran Endowment Fund, and Miscellaneous Investments.
- " "C," Liabilities.
- " "D," Assessed Valuation of Real Estate for Taxation.
- " "E," Table of Insurance.

At the meeting of the Board of Trustees held May 31, 1899, it was voted to have the fiscal year of the University agree with the calendar year. I have the honor, therefore, to submit herewith to the Board a detailed report of the finances for the period beginning June 1, 1899, the date of the previous report, and ending December 31, 1899.

November 6, 1899, after paying all bills for the month of October, the condition of the General Fund seemed to warrant a payment on account of its indebtedness. A demand note of the Treasurer, dated June, 1897, was therefore paid

\$5,000 00

The receipts for November, however, not coming up to expectations, the Executive Committee authorized the Treasurer to borrow

4,000 00

The result being a reduction of indebtedness of

\$1,000 00

The receipts from the Columbian Building have been gratifying during the year, and I report with regret that the Census Office vacated their rooms December 31, 1899. The total rentals from this building since completion have been:

From Census Office. \$5,834 50

Other tenants. 4,863 75

\$10,698 25

The Corcoran Endowment Fund consisted May 31, 1899, as per report, of —

Secured notes.	\$16,000 00	
Columbian Building site.	50,000 00	
Columbian Building, cost.	99,106 30	
Unimproved ground.	40,000 00	
903 M street.	7,910 57	
1719 S street.	9,118 83	
Burgdorf lots.	6,354 65	
Cash.	97 74	
		\$229,488 09
Less amounts borrowed pending sale of realty taken to secure notes.	48,161 50	
Net fund.		\$181,326 59

The only change noted in this fund since last report is the payment by J. B. Wimer of his note, amounting to \$1,500 00
which amount was paid on account of the fund's indebtedness.

The fund stands as follows December 31, 1899:

Secured notes.	\$15,400 00	
Columbian Building site.	50,000 00	
Columbian Building, cost.	99,106 30	
Unimproved ground.	40,000 00	
903 M street.	7,910 57	
1719 S street.	9,118 83	
Burgdorf lots.	6,354 65	
Cash.	97 74	
		\$227,988 09
Less amounts borrowed pending sale of realty taken to secure notes.	46,661 50	
Net fund.		\$181,326 59

Respectfully submitted.

S. W. WOODWARD,
Treasurer.

SCHEDULE "A."

Detailed Statement of Receipts and Disbursements.

COLLEGE.

RECEIPTS.

Tuition fees.	\$1,703 00
Arrears of tuition.	293 50
Matriculation fees.	270 00
Laboratory fees.	108 43
Diploma fees.	100 00
Contributions for Sterrett medal.	8 00
	<hr/> \$2,482 93

DISBURSEMENTS.

Salaries:

A. J. Huntington, in full to December 31, 1899.	\$1,341 62
J. H. Gore, in full to December 31, 1899.	1,090 00
H. L. Hodgkins, in full to December 31, 1899.	1,050 00
L. D. Lodge, in full to December 31, 1899.	600 00
J. Macbride Sterrett, in full to December 31, 1899.	1,050 00
C. E. Munroe, in full to December 31, 1899.	1,050 00
H. Schoenfeld, in full to December 31, 1899.	1,050 00
E. B. Pollard, in full to December 31, 1899.	1,050 00
M. M. Ramsey, in full to December 31, 1899.	1,050 00
C. C. Swisher, in full to December 31, 1899.	1,050 00
W. A. Wilbur, in full to December 31, 1899.	1,050 00
C. W. Downing, in full to September 30, 1899.	600 00
Mitchell Carroll, in full to December 31, 1899.	375 00
	<hr/> \$12,406 62

Advertising	
J. Wm. Beatty	\$16 00
Washington Post	13 50
Evening Star	13 86
	<u>\$43 36</u>
Chemical Laboratory.	
Z. D. Gilman.....	92 44
Printing:	
Judd & Detweiler	35 90
Stationery :	
Wm. Ballantyne & Sons	6 59
Sundries:	
Sanders & Stayman, tuning piano	\$2 00
Harris & Shafer Company, medals	15 50
One-half gas lighting, University Building.	62 98
One-fifth electric lighting, University Building.	22 04
Commencement expenses.	116 21
	<u>218 45</u>
	<u>\$12,803 64</u>

CORCORAN SCIENTIFIC SCHOOL.

RECEIPTS.

Tuition fees.....	\$5,526 83	
Less amount returned to students.	95 00	
	<u>—————</u>	\$5,431 83
Arrears of tuition.....	489 38	
Chemical laboratory fees.	5 77	
Botanical laboratory fees	2 00	
Rent of lockers, mechanical engineering. .	9 00	
Diploma fees.	61 25	
	<u>—————</u>	\$5,999 23

DISBURSEMENTS.

Salaries.

H. L. Hodgkins, in full to December 31, 1899	\$1,025 59
C. E. Munroe	513 32
H. Schoenfeld	292 43
H. King	50 64
G. P. Merrill	123 24
A. F. Craven	66 35
L. Amateis	51 85
E. Farguhar	48 69
F. A. Wolff	215 93
F. Lamson-Scribner	38 60
J. C. Hornblower	74 47
E. B. Pollard	45 55
F. Freyhold	141 74
M. M. Ramsey	447 26
W. A. Willbur	492 76
A. R. Spafford	132 12
A. M. Hlinker	25 14
H. L. Rice	56 78
G. Ayres	82 79
W. E. Dales	73 68
H. Presnell	132 09
W. P. Cutter	39 45
E. H. Meyer	68 07
E. L. Thurston	101 34
R. Sayer	15 07
B. A. Dumm	38 98
E. A. Muir	138 72
P. Bartsch	14 77
H. A. Pressey	93 67
Advertising:	\$4,581 09

Washington Post	\$16 20
Evening Star	15 12
Botanical Laboratory:	31 32
Bausch & Lomb Optical Co	\$22 80
Columbian University, expressage	70
	23 50

Chemical Laboratory :

Chicago Supply & Scale Co.....	\$50 54
C. G. Storm.....	9 00
Whitall, Tatum & Co.....	175 65
Goodyear Rubber Co	23 94
G. F. McAvoy	15 00
Columbian University, sundries	2 95

\$277 08

Mechanical engineering:

J. B. Espey.....	\$6 52
T. Somerville.....	1 90
W. H. Lowdermilk.....	37 50
Columbian University, sundries	1 20
Woodward & Lothrop.	5 75
Journal of Commerce Co	1 50
Engineering News.....	4 00
Engineering Magazine.....	2 90

61 27

Deposits returned:

E. E. Ailes.....	\$22 83
J. L. Uhler.....	22 47
D. H. Blakelock.....	7 14
M. M. Brewer.....	5 51
F. H. Lemly.....	9 38
C. A. Moore	7 88
M. S. Hopkins.	20 64

95 85

Postage:

H. L. Hodgkins.....	15 00
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Printing:

Judd & Detweiler.....	\$33 00
W. F. Roberts.....	7 00

40 00

Repairs:

C. Schneider.....	19 50
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Stationery:

E. A. Wright.	6 90
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Sundries

Commencement expenses	\$149 73
Wm. Ballantyne & Sons	12 50
Columbia University, expressage	5 75
G. W. Knox Express Co	1 00
W. H. Veerhoff	11 70
P. Bartsch	2 25
One fourth fuel, University Building	36 35
One-half gas lighting, University Building	62 97
Three-fifths electric lighting, University Building	66 13
	<hr/> \$348 38
	<hr/> \$5,490 89

GRADUATE SCHOOL.

RECEIPTS.

Tuition fees	\$650 00
Arrears of tuition	140 00
Matriculation fees	400 00
Diploma fees	130 00
	<hr/> \$1,320 00

DISBURSEMENTS.

Salaries :

C. E. Munroe	\$28 13
J. Macbride Sterrett	33 75
H. W. Wiley	13 13
C. C. Swisher	11 25
W. A. Wilbur	11 25
E. Farquhar	11 25
	<hr/> \$108 76

Advertising :

Washington Post	\$14 85
Evening Star	13 86
	<hr/> 28 71

Chemical Laboratory :

Baker & Co	13 92
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Deposits returned:	
A. M. Doyle.....	\$20 02
Postage:	
C. E. Munroe.....	9 00
Printing:	
Gibson Bros.....	7 25
Sundries:	
Commencement expenses.....	130 23
	<u>\$317 89</u>

LAW SCHOOL.

RECEIPTS.

Tuition fees.....	\$5,677 00
Arrears of tuition.....	125 00
Diploma fees.....	870 00
Contribution, M. M. Parker prize, 1898-'99.	100 00
Contribution for library, W. W. Howe	25 00
	<u>\$6,797 00</u>

DISBURSEMENTS.

Salaries:

W. S. Cox ..	\$750 00
John M. Harlan.....	750 00
D. J. Brewer.....	375 00
W. A. Maury.....	750 00
A. C. Bradley.....	250 00
W. G. Johnson.....	250 00
L. D. Lodge.....	166 64
M. Church.....	100 00
C. W. Needham.....	500 00
C. R. Dean.....	262 50
	<u>\$4,154 14</u>

Advertising:

Washington Post.....	\$16 20
Evening Star.....	16 38
	<u>32 58</u>

Postage:

C. R. Dean	\$9 50
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Printing:

Judd & Detweiler	27 50
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Sundries:

Commencement expenses	\$626 00
Three-fourths Law Hall expenses ..	1,292 92
Three-fourths Law Library expenses ..	315 19
	<hr/> 2,144 11
	<hr/> \$6,367 83

SCHOOL OF COMPARATIVE JURISPRUDENCE AND
DIPLOMACY.

RECEIPTS.

Tuition fees	\$2,345 00
Less amount returned	10 00
	<hr/> \$2,335 00
Arrears, tuition	30 00
Diploma fees	490 00
Sale of President's book	17 00
Sale of Dr. Howe's lectures	2 85
	<hr/> \$2,874 85

(One-half of the \$2,500 contribution of John D. Rockefeller was intended for use during this period.)

DISBURSEMENTS.

Salaries:

C. W. Needham	\$125 00
John M. Harlan	250 00
D. J. Brewer	125 00
W. W. Howe	1,200 00
J. E. Johnson	153 33
C. R. Dean	262 50
	<hr/> \$2,115 83

Advertising.		
Washington Post.	\$21 00	
Evening Star.	18 90	
		\$40 50
Postage:		
C. R. Dean.		9 50
Printing.		
Judd & Detweiler.	\$260 20	
W. F. Roberts.	30 75	
		290 95
Stationery:		
E. A. Wright.		4 75
Sundries:		
Rand, McNally & Co., atlas.	\$65 00	
W. H. Cooper, frame for picture.	6 50	
Commencement expenses.	295 36	
One-fourth Law Hall expenses.	400 97	
One-fourth Law Library expenses.	105 06	
		872 89
		<u>\$3,334 42</u>

MEDICAL SCHOOL.

RECEIPTS.

Tuition fees.	\$3,737 00	
Less amount returned.	45 00	
		\$3,692 00
Sale of invitations.	58 10	
		<u>\$3,750 10</u>

DISBURSEMENTS.

Salaries:		
G. N. Acker.	\$60 00	
G. W. Foster.	50 00	
W. K. Butler.	50 00	
Sterling Ruffin.	10 00	
B. F. Tiefenthaler.	175 00	
W. Honesty.	135 00	
R. Hamilton.	175 00	
		<u>\$655 00</u>

Advertising.

Washington Post.	\$18 45	
Evening Star	19 14	
Texas Medical Journal	6 50	
Western College Magazine	1 00	
New York Medical Journal	50 00	
Virginia Medical Semi-monthly	11 25	
National Medical Review	12 50	
Journal American Medical Association	32 00	
Philadelphia Medical Publishing Co.	15 00	
Maryland Medical Journal	37 50	
		\$203 34

Fuel:

J. Maury Dove	22 50	
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Insurance:

National Metropolitan Bank	24 27	
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Lighting:

Washington Gaslight Co.	\$33 00	
U. S. Electric Lighting Co.	37 49	
		70 49

Laboratory:

Bausch & Lomb Optical Co.	\$101 05	
Henry Evans	10 48	
C. A. Prentiss	94 23	
Eimer & Amend	84 96	
Woodward & Lothrop	1 00	
		291 72

Printing and engraving:

Woodward & Lothrop	\$26 90	
Judd & Detweiler	272 70	
H. H. Seltzer	8 10	
S. T. Elliott	11 75	

Repairs:

P. H. Minnix	\$13 40	
E. M. Hobson	8 00	
J. H. Kuehling	4 85	
G. F. McAvoy	2 50	
C. Rittenhofer	1 00	
		29 75

Stationery:

E. Morrison Paper Co	\$5 25	
Wm. Ballantyne & Sons	13 78	
		\$19 03

Sundries:

L. W. Reichelderfer, Faculty prize	\$50 00	
B. F. Tiefenthaler, postage	95 00	
Collector of taxes, water rent	4 69	
Columbian Univ., emergency vouchers	14 70	
G. F. Honesty, hauling ashes	5 00	
Henry Carter, whitewashing	55 00	
F. M. Kemp & Sons, laying cement walk	80 00	
D. W. Prentiss, making tray	1 15	
O. A. M. McKimmie, examination fees	23 00	
U. S. Electric Lighting Co., lamps	4 40	
C. C. Carter, paints, etc	8 72	
Collector of taxes, assessment for walk	30 00	
J. B. Lambie, sundries	1 10	
R. Fitzmorries, sundries	80	
Commencement expenses	114 10	
		187 66
		\$2,123 21

DENTAL SCHOOL.

RECEIPTS.

Tuition fees	\$1,118 00	
Sale of invitations	30 40	
		\$1,148 40

DISBURSEMENTS.

Salaries:

R. E. L. Hackney	\$100 00	
W. H. Trail	100 00	
		200 00

Advertising:

S. S. White Dental Manufacturing Co.	\$12 50	
Washington Post	14 85	
Evening Star	12 60	
		39 95

Engraving and printing:

Woodward & Lothrop	\$10 00
Judd & Detweiler	85 35
H. H. Seltzer	4 20

Sundries:

\$99 55

T. M. Rice, Faculty prize	\$25 00
H. C. Thompson, expenses of trip to Omaha	55 00
J. R. Hagan, expenses of trip to Saratoga	55 00
Martha Moore, washing towels	11 76
Columbian University, expressage	25
O. A. M. McKimmie, examination fees	5 00
E. Morrison Paper Company, blank book	1 35
Commencement expenses	54 94
	<hr/> 208 30
	<hr/> \$547 80

SUMMER SCHOOL.

RECEIPTS.

Tuition fees	\$675 00
Less amount returned	40 00
Laboratory fees	\$635 00
	47 50
	<hr/> \$682 50

DISBURSEMENTS.

Salaries:

M. M. Ramsey	\$174 02
P. Fireman	183 75
A. F. Craven	7 50
W. F. Dales	51 38
H. L. Rice	63 39
E. K. Brouder	22 50
F. F. Reisner	15 00
T. A. Williams	7 50
W. L. Lewis	10 00
	<hr/> \$535 04

Sundries:

Evening Star, advertising.....	\$7 92	
Eimer & Amend, chemicals.....	30 09	
M. M. Ramsey, postage.....	3 00	
W. F. Roberts, printing.....	2 00	
		\$43 01
		<u>\$578 05</u>

HOSPITAL.

RECEIPTS FOR EQUIPMENT.

Columbian Women	\$108 00	
George N. Acker.....	50 00	
		<u>\$158 00</u>

DISBURSEMENTS FOR EQUIPMENT.

Dulin & Martin Co	\$4 93	
M. G. Copeland & Co.....	43 90	
W. H. Hoeke.....	80 33	
O. E. A. Wiessner.....	14 75	
		<u>\$152 91</u>

RECEIPTS FOR EXPENSES.

Board of Lady Managers	\$1,689 63	
Columbian Women	1 00	
Payment by nurse for breakage	2 00	
Receipts from Superintendent... . .	2,420 09	
		<u>\$4,112 72</u>

DISBURSEMENTS FOR EXPENSES.

Salaries:

A. G. Odell	\$334 63	
Robert Miller	4 53	
Mae Jarvis	175 00	
Lida Waters	36 00	
Florence Rowzee	18 00	
Floe Morgan	36 00	

Lacy Butler	\$27 00
Mildred Parker	6 00
Helen Abbe	30 00
Robert Powell	140 00
Lulu Powell	105 00
Mary Murphy	105 00
Sylvia Jackson	84 00
Mary Duckett	41 88
Thomas Wells	12 00
Frank Somers	34 00
A. R. Martin	12 00
Agnes Allen	27 00
Bertha Ohr	36 00
W. Lomax	12 00
W. I. Robey	40 00
Robert Powell	24 00
Anna McNier	48 00
Edythe Peale	27 00
Claudia Curtiss	27 00
Myrta Woodson	27 00
Mary Bacon	20 00
Clara Jackson	6 00
Irene Blackwell	2 00
Estelle Fitz	18 00
	<hr/> \$1,515 04

Table supplies:

American Ice Co	\$100 68
J. R. Kelly	326 32
C. Thompson	213 76
H. C. Colburn	204 18
C. Engels' Sons	262 62
Havenner Baking Co	65 20
B. P. Watrous	57 53
G. G. Cornwell & Sons	287 60
W. M. Moreland	7 55
R. Devine	32 00
A. G. Odell, emergency	2 75
C. H. Javins & Sons	48 42
F. H. Finley & Son	2 40
	<hr/> \$1,611 01

Dispensary supplies:

Z. D. Gilman	\$324 25	
To-Kalon Wine Co	15 10	
G. G. C. Simms	1 03	
E. J. Lewis	1 80	
Eimer & Amend	3 35	
		<hr/> \$345 53

Household expenses:

Zellers & Co., plumbing	\$18 29	
J. D. Milans, printing	17 00	
G. E. Russell, staining floors	123 00	
Tyler & Rutherford, interest	260 00	
W. H. Butler, paints	1 15	
B. S. Adams, printing	50 56	
Collector of taxes, for walk	30 00	
A. G. Odell, emergency	68 15	
J. M. Dove, fuel	222 16	
U. S. Electric Lighting Co., lights	69 83	
Woodward & Lothrop, furnishings	77 40	
Elia D. Adams, room for nurses	105 00	
H. D. Hall, room for nurses	4 26	
J. B. Lambie, hardware	3 74	
Royce & Marean, electric work	2 20	
W. H. McKnew, furnishings	9 90	
C. C. Carter, paints	1 00	
P. H. Minnix, carpenter work	24 35	
National Metropolitan Bank, insurance interest	8 83	
M. G. Copeland, taking down awnings	3 75	
H. I. Gregory, stove work	13 70	
Tolman & Sons, laundry	191 28	
Dulin & Martin Co., furnishings	53 76	
M. C. Mitchell, repairs to apparatus	2 00	
C. & P. Telephone Co., telephone	50 00	
J. A. Webb & Son, branch, alcohol	28 07	
Collector of taxes, water rent	6 95	
G. F. McAvoy, plumbing	4 50	
Goodyear Rubber Co., furnishings	6 37	
C. R. Edmonston, furnishings	13 76	
E. Morrison Paper Co., furnishings	16 72	
		<hr/> \$1,487 68
		<hr/> \$4,959 26

GENERAL EXPENSE ACCOUNT.

Balance on hand per last report, May 31, 1899 . . . \$958 39

RECEIPTS.

Barrowed from National Metropolitan Bank, December 6, 1899, for current expenses	\$4,000 00
Payments on account Guarantee Fund	12,684 63
Corcoran Endowment Fund interest	516 75
Elton Fund interest	125 00
Kendall Fund interest	131 25
May Lowell Stone Fund interest	50 00
Interest on students' notes	10 02
Dividends on stocks	25 00
Rents, Columbian Building, 416 Fifth street	8,381 55
Rents, Cutler house, 222 Third street	1,287 00
Rents, Lucy Knight house, 903 M street	353 77
Rents, unimproved lots	408 36
Rents, Martin house, 1719 S street	30 00
Rents, Powell house, 1707 I street	1,050 00
Rents, Widdicombe stables, 1327-1333 H street	2,100 00
H. B. Fuller, payment for damages to curtain	83
	<hr/> 31,154 16
	<hr/> \$32,092 55

DISBURSEMENTS.

Paid demand note of Treasurer at National Metropolitan Bank, dated December, 1897 \$5,000 00

Salaries :

B. L. Whitman, in full to December 31, 1899	\$2,916 62
C. W. Holmes, in full to December 31, 1899	700 00

F. M. Allen, in full to December 31, 1899.	\$245 00	
W. L. Lewis, in full to December 31, 1899.	315 00	
R. T. Harris, in full to December 31, 1899.	157 50	
R. Hawkins, in full to December 31, 1899.	50 13	
G. I. Raybold, in full to December 31, 1899.	18 00	
C. F. Fuller, in full to December 31, 1899.	33 33	
G. Conway, in full to December 31, 1899.	20 00	
		\$4,455 58

Advertising:

Washington Post.....	\$39 15	
Evening Star.....	36 54	
		75 69

Janitors' supplies:

Woodward & Lothrop.	\$11 37	
S. Nicholas.....	4 75	
Z. D. Gilman.....	15 00	
		31 12

Law Hall construction:

A. E. Wurdeman.....	\$52 00	
Grand Rapids School Furniture Co.	396 52	
T. Hughes.....	16 40	
		464 92

Printing:

Judd & Detweiler	\$162 98	
W. F. Roberts.....	17 50	
		180 48

Repairs:

G. Viehmann.	\$14 00	
J. R. Galloway.....	2 00	
C. A. Muddiman & Co.	3 40	
S. S. Shedd & Bro.....	10 95	
Zellers & Co.....	466 40	
G. F. McAvoy.....	5 50	
		502 25

Scholarships:

W. J. Latimer.....	\$18 75	
G. L. Warner.....	18 75	
E. V. Triepel	18 75	
K. M. Raber.....	18 75	
C. S. Weer.....	37 50	
		112 50

Stationery:

E. A. Wright.....	\$39 66	
W. H. Cooper.....	2 50	
Easton & Rupp.....	3 85	
	<hr/>	\$46 01

Burgdorf lots expenses:

Taxes to May, 1900.....	\$81 64	
Water-main assessment.....	35 25	
	<hr/>	116 89

Columbian Building expenses—Salaries:

J. N. Alexander, in full to December 31, 1899.....	\$525 00	
Columbus King, in full to December 31, 1899.....	175 00	
Charles Fadely, in full to December 31, 1899.....	245 00	
Frances Thomas, in full to December 31, 1899.....	105 00	
J. E. Courtney, in full to December 31, 1899.....	51 33	
C. Armistead, in full to December 31, 1899.....	175 00	
E. Conway, in full to December 31, 1899.....	52 00	
R. A. Boswell, in full to December 31, 1899.....	6 67	
Arthur James, in full to December 31, 1899.....	80 00	
Elmer Martin, in full to December 31, 1899.....	50 00	
John Blackwell, in full to December 31, 1899.....	100 00	
Edward May, in full to December 31, 1899.....	30 00	
George Betts, in full to December 31, 1899.....	10 00	
	<hr/>	\$1,605 00

J. Maury Dave, fuel	\$196 00	
J. T. Springman, service.....	4 00	
C. Dakin, cutting elevator cables.....	4 00	
C. A. Muddiman, repairs to fixtures	2 25	
Potomac Electric Power Co., lights and motor	91 58	
U. S. Electric Lighting Co., lights and motor	153 14	
Woodward & Lothrop, furnishings	53 58	
R. E. L. Yellott, elevator insurance	28 00	
Columbian University, small items.....	4 81	
Barber & Ross, hardware.....	7 20	
Collector of taxes, water rent.....	32 06	
Collector of taxes, taxes to May, 1900....	472 02	
W. H. Butler, paints	4 50	
India Alkali Works, savogran.....	6 50	
Rudolph, West & Co., hardware.....	3 45	
J. H. Byram, service.....	6 75	
J. T. Walker, materials for repairs	5 75	
Forsberg & Murray, materials for repairs.	3 50	
National Metropolitan Bank, insurance interest.....	47 41	
National Metropolitan Bank, interest.	1,826 25	
J. B. Wimer, commissions and repairs ...	427 86	
	<hr/>	\$4,985 58

Cutler House expenses:

National Metropolitan Bank, insurance interest.....	\$5 88	
Collector of taxes, water rent.....	28 22	
Collector of taxes, taxes to May, 1900....	99 29	
	<hr/>	133 39

Lucy Knight House expenses:

Collector of taxes, taxes to May, 1900.....	\$88 80	
J. B. Wimer, commissions and repairs....	76 80	
	<hr/>	165 60

Unimproved lots expenses:

Collector of taxes, taxes to May, 1900.	173 29	
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Martin House expenses:

Collector of taxes, taxes to May, 1900 . . .	\$125 01	
Northwestern National Insurance Co., insurance	20 00	
C. C. Duncanson, expenses of sale	68 25	
J. B. Wimer, commissions, etc.	10 25	
		\$223 51

Powell House expenses:

National Metropolitan Bank, insurance interest	\$8 83	
J. B. Henderson	147 50	
Collector of taxes, taxes to May, 1900 . .	140 16	
		296 49

Widdicombe stables expenses:

E. H. Smith, insurance	\$110 00	
Provident Life and Trust Co., interest . .	2,650 00	
Tyler & Rutherford, interest	780 00	
Dodson & Hodgson, repairing roof	7 75	
Special assessment, cement walk	90 26	
		3,638 01

Sundries:

Commencement expenses	\$7 15	
Woodward & Lothrop, furnishings	5 85	
J. Maury Dove, fuel	36 35	
Otis Elevator Co., account elevator, Hos- pital	710 00	
American Ice Co.	23 59	
National Metropolitan Bank, interest . .	677 80	
National Metropolitan Bank, insurance interest	31 04	
C. W. Holmes, internal-revenue stamps . .	5 00	
C. W. Holmes, postage for catalogues and offices	128 50	
Collector of taxes, special assessment, cement walk, corner Fifteenth and H streets	135 05	
Collector of taxes, personal tax	12 00	
Collector of taxes, water rents	13 09	
Columbian University, car fare, etc . . .	3 90	

C. Rauscher, lunch for Trustees.....	\$21 00	
M. G. Copeland & Co, repairs to awnings.	1 00	
C. & P. Telephone Co., exchange rental..	67 50	
Instantaneous Fire Alarm Co., rental of box.....	10 00	
National Electrical Supply Co., repairs...	1 00	
Columbian University, expressage, etc...	16 40	
S. Nicholas, hauling ashes.....	1 50	
U. S. Electric Lighting Co., lamps.....	11 80	
American Surety Co., bonds of Treasurer and Registrar..	62 50	
Woodward & Lothrop, repair clock.....	25	
		\$1,982 27
		\$22,583 58

25

[illegible]

EXHIBIT OF COMMENCEMENT EXPENSES.

MAY 31, 1899.

Paul A. Steele, engrossing	\$70 80
Wm. H. Santelmann, Marine Band	112 00
B. L. Whitman, expenses	30 00
G. E. Metcalf, receptacles for diplomas...	19 90
F. F. Schrader, press agent	50 00
J. H. Small & Sons, flowers	100 00
Bowen, Dungan & Co., ribbon	20 00
W. F. Roberts, printing	3 50
N. L. Market Association, hall	373 00
Judd & Detweiler, printing	164 75
Woodward & Lothrop, engraving	76 52
Charles E. Munroe, expenses	6 50
M. G. Copeland & Co., flag decorations...	225 00
Rolvix Harlan, clerical help	15 00
B. F. McCaully, carriage and footman...	5 50
Parker, Bridget & Co., caps and gowns...	221 25
Paid during last fiscal year	395 40
	<hr/> \$1,889 12

EXHIBIT OF LAW LECTURE HALL EXPENSES.

JUNE 1, 1899, TO DECEMBER 31, 1899.

American Ice Co., ice	\$14 58
Washington Gaslight Co., gas	2 09
U. S. Electric Lighting Co., light	120 93
E. A. Wright, stationery	28 90
Easton & Rupp, stationers, sundries	38 13
Woodward & Lothrop, furnishings	4 46
M. G. Copeland & Co., use of flag	2 00
National Metropolitan Bank, insurance interest	35 00
C. & P. Telephone Co., exchange rental...	25 00
Columbian University, sundries	2 93

J. Maury Dove, fuel.	\$76 70	
J. H. Coming, floor wax.	1 20	
W. H. Hocke, furniture.	106 00	
W. B. Moses & Sons, furniture.	13 00	
Law Reporter Co., advertising.	15 00	
Collector Publishing Co., advertising.	24 00	
Albany Journal Co., advertising.	28 00	
M. Joyce Co., cuts.	12 90	
Dubin & Martin Co., furnishings.	31 25	
H. Randolph, laundry.	62	
Tyler & Rutherford, interest.	760 00	
C. R. Dean, postage.	10 00	
Woodruff & Co., files.	3 20	
Judd & Detweiler, printing.	3 00	
H. Randolph, salary.	245 00	
		<u>\$1,603 89</u>
One fourth to be charged to Jurisprudence.	\$403 97	
Three fourths to be charged to Law.	1,202 92	
		<u>\$1,603 89</u>

EXHIBIT OF EXPENSES OF LAW LIBRARY.

JUNE 1, 1899, TO DECEMBER 31, 1899.

Washington Law Book Co.	\$20 00	
W. H. Lowdenmilk.	7 50	
Bancroft Whitney Co.	12 00	
West Publishing Co.	280 50	
E. Thomson Co.	12 00	
G. Maier.	13 25	
Charles W. Needham.	76 00	
		<u>\$420 25</u>
One fourth to be charged to Jurisprudence.	\$105 06	
Three fourths to be charged to Law.	315 19	
		<u>\$420 25</u>

SCHEDULE "B."

MARY LOWELL STONE SCHOLARSHIP FUND.

Receipts:

Interest to November 1, 1899, on note of J. B. Wimer.	\$50 00
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Disbursements:

Paid to General Fund.....	50 00
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MARY LOWELL STONE SCHOLARSHIP FUND.

Investment:

Invested in a note of J. B. Wimer, dated May 1, 1899, payable in one year, interest at 5 per cent., payable semi-annually, secured by deed of trust on part of lot 12, square 289, number 1220 G St.	\$2,000 00
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ELTON FUND.

Receipts:

Interest to November 1, 1899, on note of J. B. Wimer.	\$125 00
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Disbursements:

Paid to General Fund.....	125 00
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ELTON FUND.

Investment:

Invested in a note of J. B. Wimer, dated May 1, 1899, payable in one year, interest at 5 per cent., payable semi-annually, secured by deed of trust on part of lot 12, square 289, number 1220 G St.	\$5,000 00
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WILLIE E. FITCH FUND.

Balance on hand as per last report.....	\$141 26
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Receipts:

Interest to September 26, 1899.....	108 00
Interest on deposit	1 41

Cash in bank.....	\$250 67
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WILLIE E. FITCH FUND.

Investment:

Note of Josiah W. McLachlen, trustee of the Security Investment Company, dated September 26, 1891, payable in three years, with interest at 6 per cent. per annum, payable semi annually, secured by deed of trust on lot 78, square 1008 \$1,200 00

Title transferred to Mutual Real Estate Company.

Time of payment extended for three years from September 26, 1897.

KENDALL FUND.

Receipts:

Interest to November 1, 1899, on note of J. B. Wimer	\$75 00	
Interest to November 5, 1899, on note of J. W. Hogg	56 25	
		<u>\$131 25</u>

Disbursements:

Paid to General Fund	131 25
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KENDALL FUND.

Investments:

Note of J. W. Hogg (assumed by J. T. Power, now deceased), dated March 31, 1883, on or before five years, at 4 per cent. Secured on lot 31, south grounds of Columbian University (1431 Chapin street)... \$1,875 00

Note extended for five years from May 5, 1892, at 6 per cent.

Time of payment extended for five years from May 5, 1897, at 6 per cent.

Interest paid to May 5, 1899.

Invested in a note of J. B. Wimer, dated May 1, 1899, payable in one year, at 5 per cent. per annum, payable semi annually, secured by deed of trust on part of lot 12, square 289, No. 1220 G street ...	3,000 00	
		<u>\$4,875 00</u>

LUCY SPONG SCHOLARSHIP FUND.

Contribution by Columbian Women, deposited in National Safe Deposit, Savings and Trust Co.	\$207 37
Interest on deposit	69
Amount in bank	<u>\$208 06</u>

CORCORAN ENDOWMENT FUND.

June 1, '99, balance from fiscal year 1899. \$97 74

Receipts:

J. B. Wimer, note paid October 21, 1899.	1,500 00
Interest on note, J. H. Lane, to September 1, 1899.	72 00
Interest on note, J. B. Wimer, to October 21, 1899.	54 75
Interest on note, Mrs. E. M. Power, to November 5, 1899.	300 00
Interest on note, A. M. McLachlen, to November 7, 1899.	90 00

Disbursements:

National Metropolitan Bank, paid on ac- count of note due	\$1,500 00
Paid to General Fund.	516 75
Cash balance December 31, 1899.	97 74
	<u>\$2,114 49</u> <u>\$2,114 49</u>

SCHEDULE "C"

LIABILITIES.

General Fund.

Demand note of Treasurer, dated January 24, 1898, at 5 per cent., National Metropolitan Bank, for perpetual insurance of \$7,500 on University Hospital, \$5,000 on Cutler house, \$7,500 on Powell house, and \$40,000 on University Hall.....	\$1,862 50
Demand note of Treasurer, dated December 2, 1898, at 5 per cent., National Metropolitan Bank, for \$5,000 perpetual insurance on Columbian Building.	1,250 00
Demand note of Treasurer, dated December 2, 1898, at 5 per cent., National Metropolitan Bank, for \$17,000 perpetual insurance on Medical School Building..	640 00
Demand note of Treasurer, dated January 16, 1899, at 5 per cent., National Metropolitan Bank, for \$20,000 perpetual insurance on Law Lecture Hall	500 00
Demand note of Treasurer, dated February 1, 1899, at 5 per cent., National Metropolitan Bank, for general expenses.	13,400 00
First-mortgage note, held by Provident Life and Trust Co. of Philadelphia, dated December 28, 1897, at 5 per cent. per annum, secured by deed of trust on Widdicombe stables, 1327-1333 H street.	53,000 00
First-mortgage note, held by Mutual Benefit Life Association of Newark, N. J., dated August 1, 1898, at 4 per cent., secured by deed of trust on University and Law Lecture Halls, borrowed to erect Law Lecture Hall, repair University Hospital, pay \$5,000 note held by Fitch, Fox & Brown, \$25,000 note held by Cruit	

Notes, and National Metropolitan Bank	
notes, account Widdicombe purchase	\$90,000 00
Demand note of Treasurer, dated December 6, 1899, at 5 per cent., National Metropolitan Bank, for general expenses	4,000 00
	<hr/> \$144,652 50

Columbian Endowment Fund.

Demand note of Treasurer, dated July 7, 1897, at 5 per cent., National Metropolitan Bank, account construction, Columbian Building	\$10,000 00
Demand note of Treasurer, dated November 28, 1898, at 5 per cent., National Metropolitan Bank, account construction, Columbian Building	14,000 00
Demand note of Treasurer, dated December 2, 1898, at 5 per cent., National Metropolitan Bank, account construction, Columbian Building	10,000 00
Demand note of Treasurer, dated December 22, 1898, at 5 per cent., National Metropolitan Bank, account construction, Columbian Building	\$10,000
Paid on account February 28, 1899 Obertentflers	\$3,500
Paid on account March 31, 1899 (Mann)	1,000
Paid on account May 12, 1899 Mann	2,000
Paid on account October 30, 1899 (Werner)	1,500
	<hr/> 8,000
Demand note of Treasurer, dated January 16, 1899, at 5 per cent., National Metropolitan Bank, account construction, Columbian Building	2,000 00
	<hr/> 10,661 50
	<hr/> \$46,661 50

Schulze, D.—Local Filtration in Red Earth.

[illegible]

SCHEDULE "E"—Table of Insurance.

Perpetual

Date of policy.	Number of policy.	Name of company.	Property insured.	Amount.	Deposit.
1897					
Nov. 1	5,014	Commercial Union	University Hospital	\$7,500.00	\$187.50
1898					
Jan. 5	5,016	" "	Cathedral House	5,000.00	125.00
" 6	5,017	" "	Presbyterian House	7,500.00	187.50
" 10	5,019	" "	University Hall	5,000.00	125.00
" 15	11,500	Fire Association			
" 10	20,100	Insurance Co. of North America	Depository Bldg. Mt. Pleasant Bldg. City of Newark, N. J.	10,000.00 10,000.00 10,000.00	250.00 250.00 250.00
" 12	18,111	American	Insurance Co. of Newark, N. J.	10,000.00	250.00
" 12	6,010,000	Rock			
Nov. 4	18,292	American			
" "	21,200	Ins. Co. of N. A.	Columbian Bldg.	10,000.00	250.00
" "	5,000	Commercial Union			
" "	110,402	Fire Association			
" 10	20,372	Ins. Co. of N. A.			
" "	110,402	Fire Association	Medical School	5,000.00	125.00
" "	5,021	Commercial Union			
1899					
Jan. 7	5,000	Commercial Union			
" "	20,585	Ins. Co. of N. A.	Law Lecture Hall	10,000.00	250.00
" "	110,587	Fire Association			
				\$147,000.00	\$1,075.00

Term Insurance.

Date of policy.	Number of policy.	Name of company.	Property insured.	Amount.	Policy expires.
Nov. 1, '99	21,219	Northwestern, New York	1719 S. Street,	\$2,000.00	Nov. 1, 1900
June 11, '98	.....	Queen of N. Y.		2,000.00	June 11, 1899
"	.....	Queen of N. Y.		1,000.00	"
"	.....	Washington of Philadelphia	Widdicombe stables	1,000.00	"
"	.....	Fireman's Bldg. Co.	Depository Bldg.	2,000.00	"
"	.....	Fireman's Bldg. Co.	Depository Bldg. & Trust Co., Phila.	1,500.00	"
"	.....	Fireman's Bldg. Co.			"
Nov. 20, '98	944,798	Amalgamated	601 M. Street	2,000.00	Nov. 20, 1900
July 15, '98	8,000	Home of N. Y.	Lawrence, 144 York	5,000.00	July 15, 1900
Nov. 20, '98	8,000	Home of N. Y.	Carrollton Bldg. B.	5,000.00	Nov. 20, 1900
Dec. 1, '98	52,777	Fidelity & Casualty Co.	West. Insurance Co. Building	10,000.00	Dec. 1, 1900
June 20, '99	1,000	Maryland Casualty Co.	East. Insurance Co. Building	10,000.00	June 20, 1900
				\$10,000.00	

REPORT OF AUDITING COMMITTEE.

To the Board of Trustees of the Columbian University.

GENTLEMEN: The Auditing Committee have examined the stocks and notes set forth in the foregoing Report of the Treasurer, stating the investment of the moneys belonging to the various endowment funds, and the miscellaneous securities of the Corporation now in the hands of the Treasurer, and find the foregoing schedules to be correct, and that the securities are now in the iron safe in the President's office, in the University Building, under the control of the President and the Treasurer.

We have also carefully examined the foregoing statements of receipts and expenditures during the seven months ending December 31, 1899, and balances, and find the same to be correct and to agree with the vouchers.

J. ORMOND WILSON.

W. H. MCKNEW.

M. M. PARKER.

JANUARY 10, 1900.

1897
THE COLUMBIAN UNIVERSITY.

THE SCHOOL
OF
COMPARATIVE JURISPRUDENCE
AND
DIPLOMACY.

1898-'99.

WASHINGTON, D. C.

THE COLUMBIAN UNIVERSITY.

THE SCHOOL OF
COMPARATIVE JURISPRUDENCE AND DIPLOMACY.



WASHINGTON, D. C.

1898-99.

WASHINGTON, D. C.
JUDD & DETWEILER, PRINTERS.
1899.

1899.

JANUARY.

S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

JULY.

S.	M.	T.	W.	T.	F.	S.
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
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30	31					

FEBRUARY.

S.	M.	T.	W.	T.	F.	S.
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

AUGUST.

S.	M.	T.	W.	T.	F.	S.
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

MARCH.

S.	M.	T.	W.	T.	F.	S.
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

SEPTEMBER.

S.	M.	T.	W.	T.	F.	S.
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

APRIL.

S.	M.	T.	W.	T.	F.	S.
2	3	4	5	6	7	8
9	10	11	12	13	14	15
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23	24	25	26	27	28	29
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OCTOBER.

S.	M.	T.	W.	T.	F.	S.
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8	9	10	11	12	13	14
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29	30	31				

MAY.

S.	M.	T.	W.	T.	F.	S.
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

NOVEMBER.

S.	M.	T.	W.	T.	F.	S.
5	6	7	8	9	10	11
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26	27	28	29	30		

JUNE.

S.	M.	T.	W.	T.	F.	S.
4	5	6	7	8	9	10
11	12	13	14	15	16	17
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25	26	27	28	29	30	31

DECEMBER.

S.	M.	T.	W.	T.	F.	S.
4	5	6	7	8	9	10
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1900.

JANUARY.

S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7
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22	23	24	25	26	27	28
29	30	31				

FEBRUARY.

S.	M.	T.	W.	T.	F.	S.
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18	19	20	21	22	23	24
25	26	27	28			

MARCH.

S.	M.	T.	W.	T.	F.	S.
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18	19	20	21	22	23	24
25	26	27	28	29	30	31

APRIL.

S.	M.	T.	W.	T.	F.	S.
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22	23	24	25	26	27	28
29	30					

MAY.

S.	M.	T.	W.	T.	F.	S.
6	7	8	9	10	11	12
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20	21	22	23	24	25	26
27	28	29	30	31		

JUNE.

S.	M.	T.	W.	T.	F.	S.
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

CALENDAR.

1898.

Sept. 26, 27,* *Monday, Tuesday*.—Examinations for Admission to Columbian College.

Sept. 28, *Wednesday*.—Academic year begins in Columbian College, Corcoran Scientific School, and School of Graduate Studies.

Oct. 3, *Monday*.—Academic year begins in Law School, Medical School, Dental School, and Graduate Veterinary School.

Nov. 15, *Tuesday*.—Formal opening of School of Comparative Jurisprudence and Diplomacy.

Nov. 24-26, *Thursday to Saturday*.—Thanksgiving recess.

RECESS FROM DECEMBER 24, 1898, TO JANUARY 2, 1899, INCLUSIVE.

1899.

Jan. 27, *Friday*.—Mid-year examinations end in Columbian College and Corcoran Scientific School.

Jan. 30, *Monday*.—Second Term begins in Columbian College and Corcoran Scientific School.

Feb. 1, *Wednesday*.—Annual Meeting of the General Association of Alumni.

Feb. 22, *Wednesday*.—Washington's Birthday: a holiday.

Mar. 31-April 3, *Friday to Monday*.—Easter holidays.

May 10, *Wednesday*.—Examinations for Degrees completed in Columbian College, Corcoran Scientific School, and School of Graduate Studies.

May 11, *Thursday*.—Last day on which Theses may be presented to the Dean of the School of Graduate Studies.

May 15, *Monday*.—Examinations completed in Medical School and Dental School.

May 17, *Wednesday*.—Examinations for Degrees completed in Law School and School of Comparative Jurisprudence and Diplomacy.

*All dates inclusive.

1899

- May 22, *Monday*.—Doctorate Disputation.
 May 26, *Friday*.—Davis Prize Speaking in the Columbian College.
 May 28, *Sunday*.—Baccalaureate Sermon.
 May 30, *Tuesday*.—Final Examinations completed and session closed in Columbian College and Corcoran Scientific School.
 May 29-31, *Monday to Wednesday*.—Examinations for Admission to Columbian College.
 May 31, *Wednesday*.—Annual Meeting of the Board of Trustees.
 May 31, *Wednesday*.—University Commencement.
 June 19, *Monday*, to July 29, *Saturday*.—Session of the Summer School.

SUMMER VACATION.

- Sept. 25, *Monday*.—Fall Examinations in Medical School and Dental School.
 Sept. 25-27, *Monday to Wednesday*.—Examinations for Admission to Columbian College.
 Sept. 27, *Wednesday*.—Academic Year begins in Columbian College, Corcoran Scientific School, and School of Graduate Studies.
 Oct. 2, *Monday*.—Academic Year begins in Law School, School of Comparative Jurisprudence and Diplomacy, Medical School, Dental School, and Graduate Veterinary School.
 Nov. 30-Dec. 3, *Thursday to Saturday*.—Thanksgiving recess.
 Dec. 6, *Wednesday*.—Annual Meeting of the General Association of Alumni.

RECESS FROM DECEMBER 25, 1899, TO JANUARY 1, 1900, EXCLUSIVE.

1900.

- Jan. 26, *Friday*.—Mid-year Examinations completed in Columbian College.
 Jan. 27, *Saturday*.—Mid-year Examinations completed in Corcoran Scientific School.

1900.

Jan. 29, *Monday*.—Second Term begins in Columbian College and Corcoran Scientific School.

Feb. 22, *Thursday*.—Washington's Birthday: a holiday.

April 13, 14, *Friday, Saturday*.—Easter holidays.

April 28, *Saturday*.—Lectures close in Graduate Veterinary School.

May 9, *Wednesday*.—Examinations for Degrees completed in Columbian College, Corcoran Scientific School, and School of Graduate Studies.

May 11, *Friday*.—Last day on which Theses may be presented to the Dean of the School of Graduate Studies.

May 14, *Monday*.—Examinations completed in Medical School and Dental School.

May 16, *Wednesday*.—Examinations for Degrees completed in Law School and School of Comparative Jurisprudence and Diplomacy.

May 21, *Monday*.—Doctorate Disputation.

May 27, *Sunday*.—Baccalaureate Sermon.

May 28-30, *Monday to Wednesday*.—Examinations for Admission to Columbian College.

May 29, *Tuesday*.—Final Examinations completed and session closed in Columbian College and Corcoran Scientific School.

May 30, *Wednesday*.—Annual Meeting of the Board of Trustees.

May 30, *Wednesday*.—University Commencement.

EDUCATIONAL ADVANTAGES OF WASHINGTON.

The Columbian University has special educational advantages in virtue of its location at the National Capital. The spirit of nationalism in Washington, the close association with public men and public questions, constitute a humanizing influence of the greatest value in the development of the American scholar. To the undergraduate or graduate student of the arts and sciences, to the professional student in law, diplomacy, medicine, dentistry, or veterinary medicine, Washington furnishes opportunities and facilities for study unrivalled by any American city.

Special libraries and large collections, illustrative of the various arts and sciences, have been accumulated by the action of Congress through a long series of years.

In view of the fact that in collecting such archives and materials it was the original purpose of the Government "to promote research and the diffusion of knowledge," the Congress of the United States has made these treasures accessible to students under the terms of the following joint resolution, approved April 12, 1892:

"Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That the facilities for research and illustration in the following and any other governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

1. Of the Library of Congress.
2. Of the National Museum.
3. Of the Patent Office.
4. Of the Bureau of Education.
5. Of the Bureau of Ethnology.
6. Of the Army Medical Museum.
7. Of the Department of Agriculture.
8. Of the Fish Commission.
9. Of the Botanic Gardens.
10. Of the Coast and Geodetic Survey.
11. Of the Geological Survey.
12. Of the Naval Observatory."

To students of Law and of Diplomacy the peculiar advantages of Washington are manifest. The Supreme Court is in session from October to May, and on each Monday morning delivers opinions orally. Students may listen to these and thus keep in touch with the latest utterances of the greatest court. The Supreme Court Library is open to students, and the State Department, with its large library, affords facilities for the study of diplomacy. Congress is in session during the winter, and here

the student sees the practical workings of the largest and most important legislative body, and listens to the discussion of matters touching interstate and foreign commerce and diplomatic relations. Here one comes into contact with the practical workings of the National Government in all its parts, and may secure the views and advice of practical men in all the great departments.

Many of the lecturers in the Schools of Law occupy the most important official positions in the gift of the nation and speak from a practical knowledge of the subjects they teach.

To medical and dental students the facilities for study and research are no less remarkable. The Army Medical Museum, which is open for inspection daily, presents a field for study superior to any other institution of the kind, either in this country or Europe. It has an unrivalled collection of anatomical and pathological specimens, illustrating normal anatomy and the results of disease in every form, and an almost unlimited number of other preparations showing the effect of gunshot wounds and surgical injuries of every kind. It also contains almost numberless crania of every human nationality, by an examination of which the student can find many dentures of theoretical perfection, and observe the effect of civilization and race admixture upon the dental organs.

At the United States Patent Office models of every conceivable form of dental instruments may be daily inspected, thus affording to the student an invaluable opportunity for studying the mechanical contrivances used in dental practice.

In the National Museum is found the most complete and best arranged collection of *Materia Medica* in the world. The drugs are shown in all their processes of manufacture, from the original package to the delicate alkaloid constituting the active principle.

Of great interest also are the Government Botanical Gardens and the grounds of the Agricultural Department, where there are rare collections of medicinal plants, from which are derived many of the preparations of the *Materia Medica*.

There could be no more appropriate location for a graduate veterinary college than the capital of this great stock growing country. In the library of the Department of Agriculture and of the Bureau of Animal Industry may be found a vast collection

of works on veterinary medicine and hygiene, bacteriology, and the record books of all the important breeds of animals. The veterinary student will also find here the laboratory and experiment station of the Bureau of Animal Industry where the highest class of investigations of animal diseases is conducted. These are model institutions, unequalled for their purpose in this country and unsurpassed in the world.

Statesmen, jurists, diplomatists, and legislators are in Washington. Scientific investigations conducted by the Government attract the most eminent scientists; the directory of the Washington Academy of Sciences and Affiliated Societies shows for 1897 a membership of 2,088. The National Capital is a place of meeting for scientific associations and international congresses of all kinds. It is the one city where the student from any part of the country is sure to find a congenial environment.

THE BOARD OF TRUSTEES OF THE COLUMBIAN UNIVERSITY

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President of the Board

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College: STAKELY, NOYES, MCKNEW.

Scientific School: POWELL, MASON, MCKNEW.

Graduate School: GALLAUDET, GREENE, CURRY.

Law School: NEEDHAM, MATTINGLY, CURRY.

School of Diplomacy: MATTINGLY, DARLINGTON, NOYES.

Medical School: GREENE, WILSON, STAKELY.

Dental School: WILSON, GREENE, STAKELY.

Veterinary School: STAKELY, WILSON, GREENE.

Summer School: MASON, MCKNEW, POWELL.

Auditing: WILSON, MCKNEW, PARKER.

Endowment: LEVERING, WOODWARD, GALLAUDET, GREENE, MORGAN.

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UNIVERSITY COMMITTEES.

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D. E. SALMON, D. V. M., *Dean of the Graduate Veterinary School*.

The University Council will meet in committee on the first Monday of each month at 4 o'clock p. m.

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JAMES HOWARD GORE, *Chairman*. WILLIAM ALLEN WILBUR,
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ALUMNI ASSOCIATIONS.

AN ADDRESS BY THE PRESIDENT OF THE UNIVERSITY BY THE SECRETARY OF THE GENERAL ALUMNI ASSOCIATION. A volume also is prepared containing the history of the University, the names of its graduates, and a list of the names of the graduates of the University.

THE GENERAL ASSOCIATION.

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JOHN B. LARNER, LL. B.

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189 Montague Street, Brooklyn, N. Y.

THE SCHOOL OF COMPARATIVE JURISPRUDENCE AND DIPLOMACY.

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THE FACULTY.

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Political History and Science

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Commerce Law

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(Associate Justice of the Supreme Court of the United States),
Conflict of Laws; Comparative Constitutional Law.

HON. DAVID J. BREWER, LL. D.,
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International Law

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Diplomacy and Treaties of the United States; Duties of
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THE COLUMBIAN UNIVERSITY.

HON. LYMAN J. GAGE

(Secretary of the Treasury).

Lecturer on Public Finance, Money, and Credits.

HON. WILLIAM P. WILSON, Sc. D.

(Director of the Philadelphia Commercial Museum),
International Trade and Commercial Geography.

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Jurisprudence of Spain.

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(Assistant Attorney General,
Equity Pleading and Practice.

HON. MARTIN A. KNAPP, LL. D.

(Chairman Interstate Commerce Commission),
Lecturer on Interstate Commerce Law.

Special lecturers upon the jurisprudence of England and her Colonies, France, Germany, Austro-Hungary and Italy, and other subjects will be announced at the opening of the term in October, 1899.

The following courses in the Law School may be taken by students of this School in the course for the degree of Master of Laws without extra charge:

Constitutional Law,

HON. JOHN M. HARLAN, LL. D.

Equity Jurisprudence,

HON. DAVID J. BREWER, LL. D.

History of American and English Law.

CHARLES W. NEEDHAM, LL. M.

Moot Courts, and Courses in Common Law Practice and Pleading

CHARLES RAY DEAN, LL. B.,
Secretary of the Schools of Law.

At the annual meeting of the Board of Trustees of the University in June, 1898, an ordinance was adopted establishing, as a department of the University, "The School of Comparative Jurisprudence and Diplomacy."

This school was opened with appropriate ceremonies at the University November 15, 1898. President McKinley, with members of his Cabinet and many other distinguished men in public life, were present. Addresses were delivered by B. L. Whitman, D. D., President of the University; Charles W. Needham, LL. M., Dean; Hon. John M. Harlan, LL. D., Associate Justice of the Supreme Court of the United States; Hon. David J. Brewer, LL. D., Associate Justice of the Supreme Court of the United States; Hon. Lyman J. Gage, Secretary of the Treasury; Sir Wilfrid Laurier, Premier of Canada, and Hon. John W. Foster, ex-Secretary of State.

On January 3, 1899, Law Lecture Hall was completed and dedicated. This building is located at 1420 H Street, adjoining University Hall; it is very complete, having three lecture-rooms, a large library, and ample office rooms, the entire building being devoted to the use of the Schools of Law.

OBJECTS.

The design of this school is to afford a training in the subjects of higher legal knowledge and the history, science, and practice of international law and diplomacy. Its courses are intended for lawyers, students of jurisprudence, and persons who desire appointments in the public, diplomatic, and consular service of the United States. To be an international lawyer or diplomatist one must, in addition to an education which makes one a scholar and lawyer, have special knowledge of the higher and broader subjects of the law and the intercourse between States and nations. It is the special object and purpose of this school to furnish instruction and opportunities for study that will fit men for the practice of international law and for positions in the public, diplomatic, and consular service.

ACADEMIC YEAR.

The academic year 1899-1900 will begin on Monday, October 2, 1899, and will end Wednesday, May 30, 1900. There will be a recess beginning Saturday, December 23, 1899, and ending Tuesday, January 2, 1900. Lectures will be resumed Wednesday, January 3.

COURSES OF INSTRUCTION.

The class-room work for each class will occupy ten hours per week, two hours every day except Saturday. These hours are arranged by schedule, and come between five and eight o'clock.

First Year.

CONFLICT OF LAWS. One hour per week, one-half year. PROFESSOR HARIAN.

COMPARATIVE CONSTITUTIONAL LAW. One hour per week, one-half year. PROFESSOR HARIAN.

INTERNATIONAL LAW. One hour per week. PROFESSOR BREWER.

POLITICAL HISTORY AND POLITICAL GEOGRAPHY. One hour per week. THE PRESIDENT.

ROMAN LAW. One hour per week, one-half year. PROFESSOR HOWE.

HISTORY OF DIPLOMACY AND TREATIES OF THE UNITED STATES. One hour per week, one-half year. PROFESSOR FOSTER.

TRANSPORTATION AND INTERSTATE COMMERCE LAW. One hour per week. PROFESSOR NEEDHAM.

EQUITY PLEADING AND PRACTICE. One hour per week, one-half year. PROFESSOR VAN DEVANTER.

Five hours each week will be devoted to class discussions and conferences upon the foregoing subjects, conducted by professors and instructors.

Second Year.

POLITICAL SCIENCE. One hour per week. THE PRESIDENT.

HISTORY OF DIPLOMACY OF THE UNITED STATES, ORGANIZATION OF THE STATE DEPARTMENT, DUTIES OF AMBASSADORS, MINISTERS,

AND CONSULS, AND INTERNATIONAL ARBITRATION. One hour per week. PROFESSOR FOSTER.

CONSTITUTIONAL LAW AND JURISPRUDENCE OF THE UNITED STATES. PROFESSOR HARRIS.

HISTORY OF EUROPEAN DIPLOMACY AND TREATIES AND EUROPEAN DIPLOMATISTS. One hour per week. PROFESSOR HILL.

ROMAN LAW. One hour per week. PROFESSOR HOWE.

COMPARATIVE JURISPRUDENCE. In charge of the DEAN. (Special lecturers for each subject.) Three hours per week.

(a) History and General Principles of the laws of India, Egypt, Palestine, and Greece.

(b) History and General Principles of Roman Law, derived from Greece and developed in Rome to the time of Justinian.

(c) A General View of the Law in Europe during the Middle Ages.

(d) The Extension of the Roman Law into some of the great Modern States.

(e) The Rise of the Common Law and its Extension into some of the great Modern States.

(f) Jurisprudence of England and her Colonies, France, Germany, Austro-Hungary, Italy, and Spain.

INTERNATIONAL LAW. One hour per week, one-half year. PROFESSOR BREWER.

INTERNATIONAL TRADE AND COMMERCIAL GEOGRAPHY. One hour per week, one-half year. PROFESSOR WILSON.

FINANCE. One hour per week. PROFESSOR JOHNSON.

(a) Theory and Functions of Money. (b) Credits, or the Substitutes for Money. (c) Banking. International Payments and Foreign Exchange.

PUBLIC FINANCE.

(a) Organization of the Treasury Department. (b) Revenues—internal and customs. (c) Bond issues. (d) Appropriations. (e) Disbursements.

Special Lectures and Class Discussions and Conferences, five hours per week.

METHOD OF INSTRUCTION AND STUDY.

Professors will conduct the study of the subject to which they are assigned by lectures, required courses of reading, and class discussions and conferences. Where a subject is divided into different branches or subdivisions, special lecturers will be introduced who are specially qualified to speak upon the subject assigned.

All subjects will be studied historically and comparatively and with a view to arriving at the present conditions and state of the law.

Class discussions and conferences will follow each lecture, and students will be encouraged to make original research and report their work to the class.

COMPARATIVE JURISPRUDENCE. This course will begin with the study of the laws of primitive people, the laws of India, Egypt, Palestine, and Greece; following this with a study of the Roman Law as derived from Greece and developed in Rome itself, down to the time of Justinian: then taking a general view of the law in Europe during the Middle Ages and tracing the Roman Law to the modern nations in which it now prevails. The rise of the Common Law and its extension to the nations in which it prevails will be carefully considered, and then the jurisprudence of the great modern States will be studied, giving to each a special lecture course, with class discussions. The relations of England to her colonial empire, and the federal system existing in Canada will receive special attention. All statutory laws which have a bearing upon the exercise of national power and which affect the relations of nations with each other, as well as the fundamental law, will be studied in each course.

This subject will be under the general supervision of the Dean, and lecturers will be appointed upon the jurisprudence of each nation. These lecturers will be selected with reference to their special knowledge of the subject assigned them.

COMPARATIVE CONSTITUTIONAL LAW. This subject will be studied by first considering in a thorough and comprehensive manner the subjects and the scope of the Constitution of the United States; next taking the constitutions of other nations, studying their sources and subjects, comparing their provisions

in the light of judicial interpretation by the highest courts of the country with the Constitution of the United States as construed by the Supreme Court of the United States, giving the student a thorough knowledge of the statement of constitutional law in the various countries, the scope of each, the subjects treated, the judicial construction, and the points in which our Constitution differs from that of other nations.

INTERNATIONAL LAW. This subject will be studied with reference to its sources, its sanctions, its present condition, and the lines and scope of its probable development.

HISTORY OF DIPLOMACY AND TREATIES OF THE UNITED STATES.

The course of lectures on American Diplomacy will embrace the duties of ambassadors and ministers; duties of consuls, treaties, their method of negotiation, various forms of, attitude of Congress, rulings of Supreme Court, and historical sketch of most important American treaties; arbitration, principles of, organization and method of procedure; and the Monroe Doctrine.

HISTORY OF EUROPEAN DIPLOMACY AND TREATIES. Approaching diplomacy not merely as the science of the relations of sovereign States and the art of conducting negotiations between them, but primarily as the actual transaction of international business, the course of instruction will aim to show what European diplomacy really is by the examination of its history. As all important international transactions are summed up and embodied in definite treaties and conventions, the subject can be most profitably discussed by an analysis of these documents, supplemented by an account of the persons, interests, events, forms, ceremonies, and negotiations that have contributed to their development. By this method it is hoped that it may be possible not only to derive inductively the principles of diplomacy as an art and as a science, but also to present an exposition of the present international relations of Europe as determined by the great treaties, from the Congress of Westphalia to the Congress of Berlin, showing the existing affinities, antagonisms, and tendencies of the chief European powers.

POLITICAL HISTORY AND SCIENCE; POLITICAL GEOGRAPHY IN ITS RELATION TO POLITICAL HISTORY. The work in this depart-

ment is designed to put the student in possession of the main results of political development, enabling him to follow the course of history, both in its geographical and in its political movement, with special reference to the structure and influence of the States whose work has been worth most to the world.

FINANCE. This subject will be treated broadly with reference to international relations in commerce and banking. It will consider the nature and functions of money and credits and their international circulation; also the subject of Public Finance, including the sources of government revenues, bond issues, taxation, the disbursement of the revenues, and the organization of the Treasury Department.

INTERNATIONAL TRADE AND COMMERCIAL GEOGRAPHY. This course will treat of the products of the United States which are the subjects of international trade; where like products are grown or manufactured, and the markets for the same, giving the general currents or geography of trade and commerce and showing how affected by treaties and legislation and the services of diplomatic and consular agents of the United States.

TRANSPORTATION AND INTERSTATE COMMERCE LAW. This subject will be treated historically, beginning with the public highway, the use of navigable waters, and the construction and operation of canals and railroads; observing the rights of the public; the relations of owners of railroads to the management and the public; theory and practical working of competition and combination; legislative control, and reviewing the Interstate Commerce Law and the decisions thereunder.

SPECIAL COURSE.

For the year beginning October, 1899, there will be a special course in Practice for the students who have pursued a two-years' undergraduate course in any law school, who have taken the degree of Bachelor of Laws, and who desire to enter this School for the degree of Master of Laws. This will include, in addition to the regular course for the first year, Common Law Pleading, Common Law Practice, and Moot Court work.

ADMISSION

All students who have taken the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Laws in the Columbian University or any other university requiring an equal amount of study for the degree, and all others who have done work equivalent to that required for either of these degrees, and who pass a satisfactory examination before the Faculty of the School are entitled to admission for the two years' course as candidates for the degree of Master of Diplomacy or the degree of Doctor of Civil Law. Students who have taken the degree of Bachelor of Laws in this or any other university requiring an equal amount of study for this degree will be admitted to the first year of the course as candidates for the degree of Master of Laws. Men who have received the degree of Doctor of Civil Law or its equivalent may enter for the one year course for the degree in Diplomacy.

EXAMINATIONS

Examinations will be held at the conclusion of each subject, and a thesis will be required of each student upon a topic covered by some part of the course to be selected by the student, subject to the approval of the faculty.

PRIZES.

A prize of \$50, called "The Britton Prize" in honor of its donor, Col. Alexander T. Britton, is awarded each year to the student who passes the best examination for the degree of Master of Laws.

A prize, offered by the Edward Thompson Company, of a set of the *Encyclopedia of Law*, first or second editions, or a set of the *Encyclopedia of Pleading and Practice* is awarded to the student in this School who shall write the best thesis on some legal subject, to be assigned by the Faculty.

DEGREES.

This School provides a graduate course leading to the degrees of Master of Laws, Doctor of Civil Law, and Master of Diplo-

macy. Students entering for the degree of Doctor of Civil Law will not be required to take all of the subjects in Diplomacy. Students entered for the degree of Master of Diplomacy will not be required to take all of the legal subjects. After receiving the degree of Doctor of Civil Law, students may take the remaining work in Diplomacy, completing it in one year, and receive the degree of Master of Diplomacy.

TUITION FEES.

The tuition fee is eighty dollars for each year, payable monthly or quarterly, at the option of the student, in advance.

Students will be required to present tickets showing the payment of the tuition fee before admission to the lectures.

There are no extra charges in the School except for diploma. Publications issued in connection with the work are furnished to students at cost.

Any person approved by the Dean may attend the lectures and have the benefit of the examinations upon paying the tuition fee; but no person will be entitled to a degree who does not enter in accordance with the requirements named under the head of "Admission."

For further information and application blanks for admission, address the SECRETARY OF THE SCHOOLS OF LAW, 1420 H Street, Washington, D. C.

STUDENTS, 1898-1899.

First Year.

<i>Name.</i>	<i>State.</i>	<i>Residence.</i>
Able, R. Felder.....	S. C.....	911 M Street.
LL. B., Columbian University; LL. M., Columbian University, 1896.		
Allen, Charles Kissam.....	N. Dak...	1828 Jefferson Place.
LL. B., National University; LL. M., National University.		
Alward, I. Q. H.....	N. J.....	1518 Caroline Street.
Auer, Harry Anton.....	D. C.....	315 S Street, N. E.
LL. B., Columbian University, 1898.		

Name	State	Address
Bingham, Goundry W. LL. B., Georgetown University, 1898.	Ala.	802 11th Street.
Brown, Harry J. B. S., Dartmouth College, 1895; LL. B., Columbian University, 1897.	N. H.	1702 14th Street
Burnham, Royal E. LL. B., Columbian University, 1898.	D. C.	103 C Street, S. E.
Bynum, Dixon H. LL. B., Columbian University, 1898.	Ind.	1425 R Street.
Cabill, Thaddens. LL. B., Columbian University, 1892; LL. M., Columbian University, 1893.	N. Y.	1808 16th Street
Call, Lewis W. B. S., Kansas Agricultural College, 1883; LL. B., Columbian, 1888; LL. M., Columbian University, 1889.	Kans.	1249 Kenesaw Ave
Campbell, M. K. LL. B., Columbian University, 1898.	Ill.	Post Office Dept.
Carr, Wilbur J. LL. B., Georgetown University, 1894.	N. Y.	1115 M Street.
Catlett, U. S. LL. B., Columbian University, 1893; LL. M., Columbian University, 1894.	Tenn.	511 Spruce Street
Chase, George Phillips. B. S., University of Pennsylvania, 1895; LL. B., Columbian University, 1898.	D. C.	12 Iowa Circle
Chesley, Willoughby S. LL. B., Columbian University, 1898.	Md.	The Cairo
Church, Frank M. B. S., Georgetown (Ky.), 1896; LL. B., Columbian University, 1898; LL. M., Columbian University, 1898.	N. J.	900 K Street.
Clark, Charlton M. LL. B., National University.	Miss.	626 I Street

Name	State	Address
Colladay, Edward Francis . . .	Kas. . .	1234 I Street. LL. B., Columbian Univer- sity, 1898.
Collins, Franklin W.	Neb. . . .	The Concord
Crist, Wiley	Ill.	1702 R Street. LL. B., Columbian University, 1898.
Crosthwaite, E. B.	Mich. . . .	1329 Whitney Ave. LL. B., Columbian Univer- sity, 1887.
Dalton, Alfred S.	N. C. . . .	The Hamilton LL. B., Georgetown Univer- sity; LL. M., National Uni- versity.
Dean, Charles Ray	D. C. . . .	927 O Street Ph. B., Chicago University, 1877; LL. B., Columbian University, 1882.
Denison, Edward Everett . . .	Ill.	809 13th Street. A. B., Yale University, 1896.
Dennis, T. Fletcher.	Ill.	1615 Florida Avenue A. M., Illinois College; LL. B., LL. M.
Disch, H. G.	Wis. . . .	621 8th Street, N. E. LL. B., Columbian Univer- sity, 1898.
Doyle, John Thomas	N. Y. . . .	2104 Wyoming Ave. LL. B., Columbian Univer- sity, 1886.
Edwards, O. Ellery, Jr.	N. Y. . . .	1996 H Street. B. S., Alabama Polytechnic Institute; LL. B., Colum- bian University.
Evans, Samuel H.	Va.	1317 R Street. LL. B., Columbian Univer- sity, 1898.
Fowler, Owen H.	D. C. . . .	1425 N. Y. Avenue. LL. B., Columbian Univer- sity, 1898.
Garland, William Howard. . .	D. C. . . .	919 I Street.
Gibson, Frederick Power	Ala. . . .	1121 Harvard Street. A. B., University of Alabama, 1894; LL. B., Georgetown Uni- versity, 1898.
Gray, John P.	Idaho. . .	1621 13th Street. LL. B., Columbian Univer- sity, 1898.

Name	State	Address
Gwynes, Charles Oscar.....	Miss.	1206 K Street.
B. L., Mississippi College, '95. LL. B., Columbian University, 1898.		
Haddock, W. Rush.....	Iowa	The Litchfield
LL. B., State University of Iowa		
Halford, A. J.	Ind.	1622 22d Street
Handy, Fred C.	Va.	1331 12th Street
LL. B., Columbian University, 1898.		
Hardy, Robert S.	Miss.	1106 Md. Ave., S. W.
Harris, John T.	Mo.	940 K Street
LL. B., Columbian University, 1898.		
Healy, Peter J.	Minn.	218 N. J. Avenue
LL. B.		
Hemmings, Frederick Leith ..	Ill.	1461 Florida Ave
LL. B., Columbian University, 1898.		
Holcombe, John W.	Ind.	1829 Corcoran St.
A. B., A. M., LL. B.		
Holden, Walter A.	Conn.	815 15th Street
LL. B., Columbian University, 1898.		
Jackson, E. Hilton.	D. C.	809 13th Street
LL. B., Columbian University, 1892; LL. M., Columbian University, 1893; A. M., Columbian University, 1894.		
Johannes, George.	D. C.	814 C Street, S. E.
LL. B., Columbian University, 1898.		
Johnson, Livingston S.	Va.	1400 Corcoran St.
LL. B., Columbian University, 1898.		
Jones, Richard Henry.	Ala.	316 C Street.
LL. B., Georgetown University, 1898.		
Kellogg, Charles Jirah.	Ia.	1227 M Street.
LL. B., National University, 1894; LL. M., National University, 1897; LL. M., Columbian University, 1898.		

Name.	State.	Address.
Keyser, Adolph Gustav.....	D. C.....	2019 Mass. Avenue. LL. B., Columbian University, 1898.
Kiggins, Frank M.....	D. C.....	1213 Q Street. A. B., Vanderbilt University; LL. B., Georgetown University; LL. M., Georgetown University.
Lee, Harry Holbrook.....	Ohio.....	1620 15th Street. LL. B., Columbian University, 1898.
Linkins, Charles.....	D. C.....	1923 G Street. LL. B., Columbian University, 1898.
Mackey, George D., Jr....	N. J.....	Congressional Hotel. LL. B., Columbian University, 1897; LL. M., Columbian University, 1898.
McKinley, J. William.....	D. C.....	1351 Harvard Street. LL. M., National University, 1893.
Matthews, Charles Eugene....	Ok. Ter..	6th Auditor's Office. LL. B., Columbian University, 1898.
Meritt, Edgar B.....	Ark.....	202 E Street. LL. B., Georgetown University, 1898.
Miller, Claude E.....	Pa.....	1339 15th Street. LL. B., Columbian University.
Mills, Edward P.....	Va.....	2424 Penna. Avenue. LL. B., Columbian University.
Moon, John B.....	Ill.....	306 C Street. LL. B., Georgetown University; LL. M., Georgetown University.
Moulton, Alston B....	Mass.....	1721 P Street. B. S., Worcester Polytechnic Institute; LL. B., Columbian University, 1898.
Nelms, William H.....	Ill.....	111 E Street. LL. M., Georgetown University, 1898.
Ogden, Herbert G., Jr.....	D. C.....	1610 Riggs Place. M. E., Cornell University, 1896; LL. B., Columbian University, 1898.

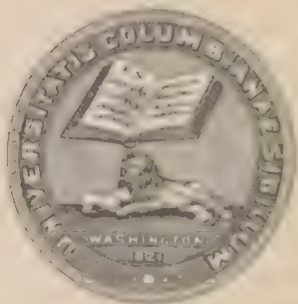
Name	State	Address
Oliver, Robert Taylor. LL. B., Columbian University, 1898.	D. C.	1725 Riggs Place
Pool, Solomon C. LL. B., Georgetown University, 1897; LL. M., Georgetown University, 1898.	N. C.	Treasury Dept
Rask, Henry G. LL. B., Georgetown University, 1896.	N. Y.	Hotel Varum.
Richardson, Charles F. P. A. B., Harvard University.	D. C.	1812 I Street
Rutlin, Thomas LL. B., Georgetown University, 1896; LL. M., Georgetown University, 1897.	N. C.	1311 29th Street
Schuyler, Walter Farnam LL. B., University of Denver, 1898.	Colo.	1113 11th Street.
Sellhausen, Armin A. LL. B., Columbian University, 1898.	D. C.	510 D Street, S. E.
Semmes, Alexander H. LL. B., National University.	D. C.	2204 Q Street.
Shreve, Charles S., Jr. LL. B., Columbian University, 1897.	D. C.	1543 8th Street.
Smith, Charles Magill LL. B., National University, 1896; LL. M., National University, 1897.	Va.	1117 G Street.
Smith, Walter Scott A. B., Lineville College, '96; LL. B., Columbian University, 1898.	Ala.	200 D Street.
Specht, Augustus Franklin. LL. B., Columbian University, 1897; LL. M., Columbian University, 1898.	Penn.	445 N. J. Ave., S. E.
Stamper, William Stephen. LL. B., Columbian University, 1898.	Va.	Dept. of Agriculture.
Stansell, Wallace K. LL. M., Georgetown University.	Ga.	1503 N Street

Name	State	Address
Strasburger, Milton Z.	D. C. . . .	631 H Street
L.L. B., Georgetown Univer- sity, 1897; L.L. M., George- town University, 1898.		
Tait, Galen L.	Neb. . . .	1718 Q Street.
L.L. B., Columbia Univer- sity, 1898.		
Tindall, Philip.	D. C. . . .	2103 California Ave.
L.L. B., Columbia Univer- sity, 1898.		
Tralles, Forest P.	D. C. . . .	Cor. 11th and F Sts.
L.L. B., Columbia Univer- sity, 1898.		
Varney, Walter U.	Va. . . .	St. Elmo, Va.
L.L. B., Columbia Univer- sity, 1898.		
Via, Lemmel R.	Va. . . .	802 11th Street.
L.L. B., Georgetown Univer- sity.		
Wartfield, Frederic P.	N. Y. . . .	1916 N Street.
A. B., Hamilton College.		
Watts, Reuben B.	Ala. . . .	Bur. of Eng. & Ptg.
L.L. B., Georgetown Univer- sity.		
Weare, Joseph.	Ill. . . .	Lincoln Hotel.
B. S., C. E., University of Michigan.		
Weaver, Harry O.	Ohio. . .	802 A Street, N. E.
L.L. B., Columbia Univer- sity, 1896.		
Webster, William Grant.	D. C. . . .	
A. B., Harvard University; L.L. M., Columbia Univer- sity.		
Weissenhagen, John P.	Mich. . .	1830 H Street.
Wells, Robert Wesley.	Kans. . .	Hyattsville, Md.
L.L. B., Kansas State Univer- sity; L.L. M., Columbia University, 1898.		
Yang Kwai	China. . .	1506 R Street.
A. B., Yale University, 1881.		
Total.		90

This School having been opened in 1898, there was no second-
year class.

THE COLUMBIAN UNIVERSITY.

THE LAW SCHOOL.



WASHINGTON, D. C.

1898-99.

WASHINGTON, D. C.
JUDD & DETWILLER, PRINTERS
1899

1899.

JANUARY.

JULY.

S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7							1
8	9	10	11	12	13	14	2	3	4	5	6	7	8
15	16	17	18	19	20	21	9	10	11	12	13	14	15
22	23	24	25	26	27	28	16	17	18	19	20	21	22
29	30	31					23	24	25	26	27	28	29
							30	31					

FEBRUARY.

AUGUST.

S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
3	4	5	6	7	8	9	1	2	3	4	5		
12	13	14	15	16	17	18	6	7	8	9	10	11	12
19	20	21	22	23	24	25	13	14	15	16	17	18	19
26	27	28					20	21	22	23	24	25	26
							27	28	29	30	31		

MARCH.

SEPTEMBER.

S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
5	6	7	8	9	10	11							1
12	13	14	15	16	17	18	3	4	5	6	7	8	9
19	20	21	22	23	24	25	10	11	12	13	14	15	16
26	27	28	29	30	31		17	18	19	20	21	22	23
							24	25	26	27	28	29	30

APRIL.

OCTOBER.

S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
2	3	4	5	6	7	8	1	2	3	4	5	6	7
9	10	11	12	13	14	15	8	9	10	11	12	13	14
16	17	18	19	20	21	22	15	16	17	18	19	20	21
23	24	25	26	27	28	29	22	23	24	25	26	27	28
30							29	30	31				

MAY.

NOVEMBER.

S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7							1
8	9	10	11	12	13	14	5	6	7	8	9	10	11
15	16	17	18	19	20	21	12	13	14	15	16	17	18
22	23	24	25	26	27	28	19	20	21	22	23	24	25
29	30	31					26	27	28	29	30		

JUNE.

DECEMBER.

S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7							1
8	9	10	11	12	13	14	3	4	5	6	7	8	9
15	16	17	18	19	20	21	10	11	12	13	14	15	16
22	23	24	25	26	27	28	17	18	19	20	21	22	23
29	30	31					24	25	26	27	28	29	30
							31						

1900.

JANUARY.

S.	M.	T.	W.	T.	F.	S.
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY.

S.	M.	T.	W.	T.	F.	S.
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18	19	20	21	22	23	24
25	26	27	28			

MARCH.

S.	M.	T.	W.	T.	F.	S.
						1
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

APRIL.

S.	M.	T.	W.	T.	F.	S.
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

MAY.

S.	M.	T.	W.	T.	F.	S.
						1
4	5	6	7	8	9	10
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18	19	20	21	22	23	24
25	26	27	28	29	30	31

JUNE.

S.	M.	T.	W.	T.	F.	S.
						1
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

CALENDAR

1898.

Sept. 26, 27.* *Monday, Tuesday.*—Examinations for Admission to Columbian College.

Sept. 28, *Wednesday.*—Academic year begins in Columbian College, Corcoran Scientific School, and School of Graduate Studies.

Oct. 3, *Monday.*—Academic year begins in Law School, Medical School, Dental School, and Graduate Veterinary School.

Nov. 15, *Tuesday.*—Formal opening of School of Comparative Jurisprudence and Diplomacy.

Nov. 24-26, *Thursday to Saturday.*—Thanksgiving recess.

RECESS FROM DECEMBER 24, 1898, TO JANUARY 2, 1899, INCLUSIVE.

1899

Jan. 27, *Friday.*—Mid-year examinations end in Columbian College and Corcoran Scientific School.

Jan. 30, *Monday.*—Second Term begins in Columbian College and Corcoran Scientific School.

Feb. 1, *Wednesday.*—Annual Meeting of the General Association of Alumni.

Feb. 22, *Wednesday.*—Washington's Birthday: a holiday.

Mar. 31-April 3, *Friday to Monday.*—Easter holidays.

May 10, *Wednesday.*—Examinations for Degrees completed in Columbian College, Corcoran Scientific School, and School of Graduate Studies.

May 11, *Thursday.*—Last day on which Theses may be presented to the Dean of the School of Graduate Studies.

May 15, *Monday.*—Examinations completed in Medical School and Dental School.

May 17, *Wednesday.*—Examinations for Degrees completed in Law School and School of Comparative Jurisprudence and Diplomacy.

*All dates inclusive.

CALENDAR.

v

1899.

- May 22, *Monday*.—Doctorate Disputation.
 May 26, *Friday*.—Davis Prize Speaking in the Columbian College.
 May 28, *Sunday*.—Baccalaureate Sermon.
 May 30, *Tuesday*.—Final Examinations completed and session closed in Columbian College and Corcoran Scientific School.
 May 29-31, *Monday to Wednesday*.—Examinations for Admission to Columbian College.
 May 31, *Wednesday*.—Annual Meeting of the Board of Trustees.
 May 31, *Wednesday*.—University Commencement.
 June 19, *Monday*, to July 29, *Saturday*.—Session of the Summer School.

SUMMER VACATION.

- Sept. 25, *Monday*.—Fall Examinations in Medical School and Dental School.
 Sept. 25-27, *Monday to Wednesday*.—Examinations for Admission to Columbian College.
 Sept. 27, *Wednesday*.—Academic Year begins in Columbian College, Corcoran Scientific School, and School of Graduate Studies.
 Oct. 2, *Monday*.—Academic Year begins in Law School, School of Comparative Jurisprudence and Diplomacy, Medical School, Dental School, and Graduate Veterinary School.
 Nov. 30-Dec. 3, *Thursday to Saturday*.—Thanksgiving recess.
 Dec. 6, *Wednesday*.—Annual Meeting of the General Association of Alumni.

RECESS FROM DECEMBER 25, 1899, TO JANUARY 1, 1900, INCLUSIVE.

1900.

- Jan. 26, *Friday*.—Mid-year Examinations completed in Columbian College.
 Jan. 27, *Saturday*.—Mid-year Examinations completed in Corcoran Scientific School.

1900.

- Jan. 29, *Monday*.—Second Term begins in Columbian College and Corcoran Scientific School.
- Feb. 22, *Thursday*.—Washington's Birthday: a holiday.
- April 13, 14, *Friday, Saturday*.—Easter holidays.
- April 28, *Saturday*.—Lectures close in Graduate Veterinary School.
- May 9, *Wednesday*.—Examinations for Degrees completed in Columbian College, Corcoran Scientific School, and School of Graduate Studies.
- May 11, *Friday*.—Last day on which Theses may be presented to the Dean of the School of Graduate Studies.
- May 14, *Monday*.—Examinations completed in Medical School and Dental School.
- May 16, *Wednesday*.—Examinations for Degrees completed in Law School and School of Comparative Jurisprudence and Diplomacy.
- May 21, *Monday*.—Doctorate Disputation.
- May 27, *Sunday*.—Baccalaureate Sermon.
- May 28-30, *Monday to Wednesday*.—Examinations for Admission to Columbian College.
- May 29, *Tuesday*.—Final Examinations completed and session closed in Columbian College and Corcoran Scientific School.
- May 30, *Wednesday*.—Annual Meeting of the Board of Trustees.
- May 30, *Wednesday*.—University Commencement.

EDUCATIONAL ADVANTAGES OF WASHINGTON.

The Columbian University has special educational advantages in virtue of its location at the National Capital. The spirit of nationalism in Washington, the close association with public men and public questions, constitute a humanizing influence of the greatest value in the development of the American scholar. To the undergraduate or graduate student of the arts and sciences, to the professional student in law, diplomacy, medicine, dentistry, or veterinary medicine, Washington furnishes opportunities and facilities for study unrivalled by any American city.

Special libraries and large collections, illustrative of the various arts and sciences, have been accumulated by the action of Congress through a long series of years.

In view of the fact that in collecting such archives and materials it was the original purpose of the Government "to promote research and the diffusion of knowledge," the Congress of the United States has made these treasures accessible to students under the terms of the following joint resolution, approved April 12, 1892:

"Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That the facilities for research and illustration in the following and any other governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

1. Of the Library of Congress.
2. Of the National Museum.
3. Of the Patent Office.
4. Of the Bureau of Education.
5. Of the Bureau of Ethnology.
6. Of the Army Medical Museum.
7. Of the Department of Agriculture.
8. Of the Fish Commission.
9. Of the Botanic Gardens.
10. Of the Coast and Geodetic Survey.
11. Of the Geological Survey.
12. Of the Naval Observatory."

To students of Law and of Diplomacy the peculiar advantages of Washington are manifest. The Supreme Court is in session from October to May, and on each Monday morning delivers opinions orally. Students may listen to these and thus keep in touch with the latest utterances of the greatest court. The Supreme Court Library is open to students, and the State Department, with its large library, affords facilities for the study of diplomacy. Congress is in session during the winter, and here

the student sees the practical workings of the largest and most important legislative body, and listens to the discussion of matters touching interstate and foreign commerce and diplomatic relations. Here one comes into contact with the practical workings of the National Government in all its parts, and may secure the views and advice of practical men in all the great departments.

Many of the lecturers in the Schools of Law occupy the most important official positions in the gift of the nation and speak from a practical knowledge of the subjects they teach.

To medical and dental students the facilities for study and research are no less remarkable. The Army Medical Museum, which is open for inspection daily, presents a field for study superior to any other institution of the kind, either in this country or Europe. It has an unrivalled collection of anatomical and pathological specimens, illustrating normal anatomy and the results of disease in every form, and an almost unlimited number of other preparations showing the effect of gunshot wounds and surgical injuries of every kind. It also contains almost numberless crania of every human nationality, by an examination of which the student can find many dentures of theoretical perfection, and observe the effect of civilization and race admixture upon the dental organs.

At the United States Patent Office models of every conceivable form of dental instruments may be daily inspected, thus affording to the student an invaluable opportunity for studying the mechanical contrivances used in dental practice.

In the National Museum is found the most complete and best arranged collection of *Materia Medica* in the world. The drugs are shown in all their processes of manufacture, from the original package to the delicate alkaloid constituting the active principle.

Of great interest also are the Government Botanical Gardens and the grounds of the Agricultural Department, where there are rare collections of medicinal plants, from which are derived many of the preparations of the *Materia Medica*.

There could be no more appropriate location for a graduate veterinary college than the capital of this great stock growing country. In the library of the Department of Agriculture and of the Bureau of Animal Industry may be found a vast collection

of works on veterinary medicine and hygiene, bacteriology, and the record books of all the important breeds of animals. The veterinary student will also find here the laboratory and experiment station of the Bureau of Animal Industry, where the highest class of investigations of animal diseases is conducted. These are model institutions, unequalled for their purpose in this country and unsurpassed in the world.

Statesmen, jurists, diplomatists, and legislators are in Washington. Scientific investigations conducted by the Government attract the most eminent scientists; the directory of the Washington Academy of Sciences and Affiliated Societies shows for 1899 a membership of 2,088. The National Capital is a place of meeting for scientific associations and international congresses of all kinds. It is the one city where the student from any part of the country is sure to find a congenial environment.

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Secretary of the Schools of Law.

This school was established in 1865, and is the oldest law school in Washington. Men occupying the highest positions in the profession are in its faculty, personal contact with whom is a source of inspiration to every student.

LAW LECTURE HALL.

The University has just completed and is now occupying a new building, known as Law Lecture Hall, devoted exclusively to its "Schools of Law and Diplomacy." It adjoins University Hall, corner Fifteenth and H streets, and is only two blocks from the Executive Mansion. This new building contains three commodious lecture halls, two moot-court rooms, a large and well lighted library-room, and administrative offices. The building is lighted by electricity, handsomely furnished, and well equipped and adapted to the work for which it is designed.

ADMISSION.

The applicant for admission is required to furnish evidence of having received an education fitting him for the study of law. Application blanks will be furnished by the Secretary.

The regular course of study embraces three years. There is also a special course of one year in Patent Law.

A student may be admitted to advanced standing upon furnishing evidence satisfactory to the Dean that he has spent the necessary time and performed the necessary study, whether in another law school or under the direction of a practicing lawyer; but in all such cases he will be required to produce a certificate of the fact or sustain an examination on all the subjects for which he asks credit.

The annual session begins on the first Monday in October, and continues until the Wednesday nearest the first day of June following.

The exercises of the department begin at six o'clock p. m. every week day except Saturday.

The register will be opened for the enrollment of students on the first day of September.

The University increased the regular course of study for candidates for the degree of Bachelor of Laws to three years in October, 1898. The work has been largely increased with a view of giving students that thorough knowledge of the general rules of law and practice which will fit them for the Bar of any State. The course will give the general sources of law, the law

upon the great subjects of jurisprudence, and the practical side of legal education. Professors will conduct the study of each subject by lectures, required courses of reading, and class discussions and conferences. The study of special cases upon the various subjects treated and the Moot Court work have been largely increased, thus bringing before the student the modern applications of law by the courts of the country.

Special instruction and practical work are given the students in the preparation of Contracts, Wills, and in the organization of Corporations. This work is carefully examined and returned to the student, with suggestions by the instructors in charge of the work.

There will be ten hours of class-room work in each year of the course.

COURSES OF INSTRUCTION.

First Year.

After preliminary lectures on the study of law, the courses are as follows:

HISTORY OF AMERICAN AND ENGLISH LAW.—Professor Needham.

DOMESTIC RELATIONS.—Professor Harlan. "*Brown on Domestic Relations*" and special leading cases.

PERSONAL PROPERTY.—Professor Harlan. "*Smith on Personal Property*" and special leading cases.

TORTS.—Professor Harlan. "*Pollock on Torts*" and special cases.

REAL PROPERTY.—Professor Cox. "*Blackstone, Kent, or Tiedeman*."

CONTRACTS.—Professor Cox. "*Parrons on Contracts*."

COMMERCIAL PAPER.—Professor Bradley.

First year's instruction will be carried on by topical lectures, supplemented by carefully arranged courses of reading and the study of selected cases which state and illustrate the law. There will be class discussions upon the lectures, and free questioning by students is encouraged. Quiz classes may be formed, and every facility will be afforded the student to aid him in a thorough understanding of the subjects studied.

Second Year.

COMMON LAW PLEADING.—Professor Maury. "*Stephens on Pleading*" (Tyler).

EVIDENCE.—Professor Maury. "*Greenleaf on Evidence*" and *special cases*.

EQUITY JURISPRUDENCE.—Professor Brewer. *Paine on Chancery*, or *Story*.

CONSTITUTIONAL LAW.—Professor Hutton. *Story*.

CORPORATIONS.—Professor Brewer. *Morgan on Corporations*.

REAL PROPERTY.—Professor Cox. *Blackstone, Kent, or Tiedeman*.

CONTRACTS.—Professor Cox. "*Parsons on Contracts*" and *special cases*.

ORGANIZATION OF TRUSTS AND TRADES UNIONS.—Professor Needham.

Special courses of reading in text-books and selected cases will be assigned by the professors, and cases will be used in the lectures to illustrate the subject under consideration. Practical work in the preparation of contracts and written obligations of various kinds will be given to students by the professors, and this work carefully examined. The second year students will be divided into sections, and there will be discussions and papers upon the subjects gone over in the first and second years' study.

Third Year.

CRIMINAL LAW AND PROCEDURE.—Professor Bradley. *Bishop*.

COMMON LAW PRACTICE.—Professor Johnson. "*Chase's Common Law Practice*" and *selected cases*.

COMMON LAW PLEADING.—Professor Maury. "*Stephens on Pleading*" (Tyler).

EQUITY PLEADING AND PRACTICE.—Professor Van Devanter (of the School of Comparative Jurisprudence and Diplomacy). "*Shipman on Equity Pleading*" and *special cases*.

PRACTICAL COMMERCIAL LAW.—Professor Mattingly.

SOCIOLOGY AND POLITICS.—Professor Lodge.

MOOT COURTS.—Professors Needham, Clephane, and Stevens.

The third year course will also be carried on by special lectures and the study of selected cases; special courses of reading will be assigned, and each student in the third year will take part in the preparation of cases in the Moot Courts, law and equity, upon such a statement of facts as a client would give to a lawyer in active practice, the cases to be carried through from the commencement of the action to a final hearing, according to rules of procedure prepared by the professor in charge of the Moot Courts; cases may be taken by appeal to the Appellate Moot Court, thus giving the student practice and drill in determining what actions will lie upon a given state of facts, what defences may be interposed, and the various steps in the conduct of cases in court. These courts will be presided over by professors and lawyers from the Washington Bar.

PATENT LAW COURSE.

A special course in Patent Law and Patent Law Practice will be conducted by Professor Church, giving thorough preparation to those who contemplate entering that department of jurisprudence. This course covers a period of eight months, with two lectures or sessions of the Moot Court each week. The degree of Master of Patent Laws will be conferred upon those who pass satisfactory examinations at the close of the term. Only graduates in law or members of the bar are eligible to the degree, but any person qualified to profit by the instruction offered will be admitted to the course.

EXAMINATIONS.

Written examinations will be required upon each subject specified in the courses and will be conducted at the conclusion of each subject. At the close of the third year a general review and examination may be had. The standing of the student upon the several examinations and the regularity of his attendance upon the course will determine his right to the degree.

DEGREE OF BACHELOR OF LAWS

The degree of Bachelor of Laws will be conferred upon students who shall have passed satisfactory examinations upon the

subjects required in the entire course of three years and whose attendance and conduct have been satisfactory to the Faculty.

FEES AND EXPENSES.

The tuition fee for the regular course is eighty dollars per year of eight months, this to be paid in advance, monthly or quarterly, at the option of the student. The tuition fee for the Patent Law course is forty dollars. A charge of ten dollars in all cases is made for diplomas. Board and lodgings, including heat and light, can be obtained in the city at prices ranging from five dollars per week upward.

LAW LIBRARY AND READING ROOM.

A well-equipped working library, comprising 2,500 volumes, is open to the students in Law Lecture Hall from nine A. M. to ten P. M.

This library contains the standard text-books, the West Reporter System of Federal and State decisions complete, State Reports, the English Common Law and Chancery Reports, Encyclopedias of Law, Digests, reference books, and current law publications.

Adjoining the Library is a conversation room for students, affording opportunity for consultation.

In addition to these facilities, the students have free access to the great Congressional Library and other public libraries in the city.

ADMISSION TO THE BAR.

By the rules of the Supreme Court of the District of Columbia, applicants for admission to the Bar are required to have studied law for three years under the direction of a competent attorney, but by those rules the course in the Law School of the University is regarded as discharging this requirement.

PRIZES.

A prize of \$100, called "The Parker Prize," in honor of its donor, the Hon. Myron M. Parker, is awarded each year to the

student who passes the best examination for the degree of Bachelor of Laws.

A prize offered by the Edward Thompson Company, of a set of the *Encyclopedia of Law*, first or second editions, or a set of the *Encyclopedia of Pleading and Practice*, is awarded each year to the student who shall write the best thesis on some legal subject to be assigned by the Faculty.

Three prizes—one of \$40, one of \$30, and one of \$20—are annually given to the respective authors of the best three essays handed in by such members of the Third Year Class as shall compete for them and shall pass a successful examination.

Two prizes for excellence in debate are awarded by the Debating Society.

Prize Awards, 1898.

A. T. Britton Prize	Joseph W. Welsh.
M. M. Parker Prize	Forrest P. Tralles.
Edward Thompson Company Prize	Walter A. Holden.
First Essay Prize	Walter A. Holden.
Second Essay Prize	Henry B. Armes.
Third Essay Prize	W. M. Holland.
Lee Davis Lodge Prize	Edward E. Denison.
First Debater's Prize	Walter Scott Smith.
Second Debater's Prize	Alvah W. Patterson.

Graduates of the Law School with the degree of Bachelor of Laws are admitted without examination to the School of Comparative Jurisprudence and Diplomacy for the degrees of Master of Laws, Doctor of Civil Law, and Master of Diplomacy.

For catalogues and further information, address the SECRETARY OF THE SCHOOLS OF LAW, 1420 H Street, Washington, D. C.

STUDENTS OF LAW.

Seniors, or Candidates for the Degree of Bachelor in Laws

Name	State	Address
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Brewer, A. Farley	Mass.	1503 Prospect Street. A. B., Williams College, 1897.
Brockett, Bluford Wilson	Md.	3425 Holmead Ave.
Butler, Ulysses	D. C.	621 23d Street.
Butts, Joseph Wadell	N. Y.	948 T Street
Chapman, Charles McC	N. Y.	1912 H Street
Chick, John Merle	Pa.	1110 16th Street.
Clark, Ralph A	Iowa	725 12th Street.
Cooke, Harry Lee	Tenn.	Rm. 25 E, P. O. Dept.
Cooksey, Paul	Ky.	1319 Vermont Ave.
Coombs, Howard Addison	Ill.	Patent Office. S. B., Worcester Polytechnic Institute.
Cooper, George Houston, Jr.	Va.	1132 5th Street.
Craig, Joseph Webber	Maine	1416 N Street.
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Denison, Edward Everett	Ill.	809 13th Street. A. B., Yale University.
Du Mars, John E	Ill.	1106 Ml Ave, S. W.
Esterly, Frank C	Minn.	1115 E. Capitol St.
Everts, Frank A	Ind.	1350 Columbia Road.
Flint, Ralph Norton	N. Y.	46 Quincey St., N. E. M.E., Cornell University, 1894.
Foster, Bertram Grey	N. Y.	932 N. C. Avenue.
Foster, Daniel Shays	Pa.	49 Iowa Circle. M. D., Georgetown Univer- sity, 1869.
Freeman, Alvan H	Ga.	618 22d Street.
Gardner, Henry Finch	N. Y.	1115 O Street.

Name.	State.	Address.
Gardiner, John Urquhart.....	Wis.	907 T Street.
Glover, L. K. C.....	Va.	1731 13th Street.
Graham, Byron Ulmer.....	D. C.	516 T Street.
Green, Henry D., Jr.....	Ala.	1705 M Street.
Gregory, Eugene M.....	N. J.	927 N Street.
A. B., Harvard University.		
Grim, Thurlow W.....	Ind.....	415 4th Street.
Griswold, Stewart C.....	Mich.	1119 Q Street.
Groesbeck, Walter Davis.....	Mich.	Patent Office.
B. S., Michigan Agricultural College.		
Hall, William Fairfax.....	D. C.	1003 F Street.
Hallam, William Meade.	Ky.	504 C Street, S. E.
Harris, Herbert Frederick.....	Pa.	1115 R. I. Avenue.
A. B., Bucknell University. 1896; A. M., Bucknell Uni- versity, 1897.		
Harris, Josiah G.....	Ky.	1319 Vermont Ave.
Hartmann, Charles.....	Mich.	932 O Street.
Hawksworth, Alfred Tennyson. N. H.....	N. H.....	805 10th Street.
Heth, Robert Mason ...	Va.	1759 Madison Street.
Hittle, James Monroe.....	Pa.	1110 16th Street.
B. S., Fredonia Institute, 1897.		
Howard, Clarence V.....	D. C.	907 13th Street.
Huffy, Laurence.....	Va.	1143 22d Street.
Hume, F. Charles.....	Texas....	1235 Mass. Ave.
B. Lit., University of Texas.		
Husted, Glenn E.....	Mich.	Post Office Dep't.
Israel, Frank Thomas,	Neb.	1108 8th Street.
Jackson, Daniel Kerfoot.....	Va.	809 13th Street.
Jacobs, S. Howard.....	Va.	Falls Church, Va.
Janison, Paul B.....	Mich.	1511 T Street.
Jansen, Thomas Egbert.....	N. Y.	Room 127, War Dep't.
Keener, William Morse.....	Md.	1021 8th Street.
Kline, Aubrey.....	Va.	1126 8th Street.
Lieuallen, Thomas T.....	Mo.	805 10th Street.
Mason, W. M.....	D. C.	1717 De Sales St.
Mattingly, William F., Jr.....	D. C.	1616 H Street.
A. B., Princeton University, 1896.		

Name	State	Address
May, George T., Jr.....	D. C.....	2119 F Street.
McClure, Charles, Jr.....	Minn.....	1353 Harvard Street.
B. L., University of Minne- sota, 1897.		
McClure, James B.....	Iowa.....	154 A Street, N. E.
McMullen, Adam.....	Neb.....	1406 S Street.
A. B., University of Nebraska, 1896.		
McRoberts, Charles Gregory...	D. C.....	302 C Street.
Meekison, Colin C.....	Ohio.....	1232 13th Street.
Merritt, Norman Allan.....	D. C....	2819 14th Street.
Milans, Joseph Hercus.....	D. C.....	1232 N. H. Avenue.
Milburn, Charles Coad.....	Wash'n..	1122 13th Street.
Morgan, T. Frank.....	Va.....	1416 15th Street.
Murphy, Thomas James.....	N. C.....	1102 8th Street.
Norris, William C.....	Md.....	617 14th Street.
Odor, Cadmus Linden...	Ohio.....	86 M Street.
Owen, Charles Wesley.....	Mich....	430 Mass. Avenue.
Parkes, George Preston.....	N. Dak..	1005 5th Street.
Parks, Charles W.....	D. C.....	2149 Florida Ave.
C. E., Rens. Polytechnic In- stitute.		
Parmelee, George H.....	D. C.....	705 G Street.
Paschal, Samuel Scoville.....	D. C.....	The Victoria.
Patterson, Alvah W.....	Ore.....	502 B Street, N. E.
Pierce, Harry Alleman.....	D. C.....	610 R Street.
Potts, Theron.....	N. Y.....	243 Delaware Ave.
Rastell, Charles Wesley.....	N. J.....	Navy Department.
Reader, Jabe C.....	Texas....	1319 Vermont Ave.
Ridgway, Thomas Caldwell....	Ill.....	1632 17th Street.
Rohrback, Howard Lemon....	Penn....	1209 Q Street.
Roots, Edward C.....	Ind.....	722 12th Street.
Seitz, Earle W.....	Mo.....	917 McPherson Sq.
Sloan, Austin Clark.....	Wyo.....	1304 L Street.
Smith, C. Downing.....	Va.....	1212 N. Y. Avenue.
Smith, Charles Dorsey.....	Md.....	29 I Street.
Smith, Edgar A.....	Iowa....	House of Rep.
Snell, Frank Hiram.....	D. C.....	Fla. and Conn. Aves.
A. B., Yale University, 1882.		

Name	State	Address
Spaulding, John Cecil	Mich.	1637 R Street.
A. B., University of Michigan, 1897.		
Stallcup, James Alfred	Mo.	1807 H Street.
Stewart, Nathaniel B	Ga.	2107 O Street
A. B., University of Georgia, 1893		
Thomas, Hillebert Ward	Mich.	1625 R Street.
Thurman, Richard B	Utah	1337 L Street.
Townsend, George Alfred, Jr.	Md.	229 1st Street, N. E.
Towson, Richard M	Va.	1122 Vermont Ave.
Tyssowski, Joseph Gorham	D. C.	1431 R. I. Avenue.
Vaill, Edward W., Jr		210 T Street
B. S., Worcester Polytechnic Institute.		
Vieth, Henry Alvin	Wis.	Dept of Agriculture.
Weimer, George V	Mich.	1416 N Street
Wells, Albert Coulter	Penn.	1203 11th Street.
Westcott, Charles D	D. C.	1414 20th Street.
Wheeler, Levi Woodbury	N. H.	518 M Street.
White, William Frye	Maine	Sun Building, F St.
A. B., Bowdoin College, 1897.		
Yates, John Browning	Va.	1300 Penn. Avenue.

First Year Class.

Name	State	Address
Ake, Charles DeWarenne	D. C.	601 I Street, N. E.
Anderson, Dwight	D. C.	307 T Street.
Austin, William Morris	D. C.	2017 O Street.
B. S., Trinity College (Hart- ford, Conn.), 1898.		
Baker, Curtis T	N. J.	619 19th Street.
Ballinger, John H.	Iowa	2231 Q Street.
Barclay, Fred Homer	Wyo.	Hotel Stratford
Blackwood, Don Piatt	W. Va.	1028 25th Street.
Bonifant, John	Md.	1327 I Street.
Boyer, Clyde Edward	Ind.	909 N. C. Avenue.
Boyle, John	Penn.	Petworth, D. C.

Name	State	Address
Bradford, William Rufus	S. C.	1119 6th Street.
Brothers, Maxwell R	Miss.	1919 I Street.
Broughton, William Simmons	Ill.	Treasury Dept. Ph. B., University of Chicago.
Browne, Frederick W	Iowa	2031 H Street.
Burgey, John Morrissey	N. Y.	2020 G Street.
Cameron, Alexander B	D. C.	250 9th Street, N. E.
Cannon, Hal M	Ind. Ter.	1422 41th Street.
Champion, Robert	D. C.	1113 I Street, S. E.
Chase, Royden Durfee	D. C.	300 R Street, N. E.
Clark, Reed Paige	N. H.	1424 11th Street.
B. A., Columbian University, 1898.		
Clifton, Horace B	D. C.	2819 G Street.
Connell, John	Pa.	
Conwell, Lewis Colfax	Iowa	Auditor P. O. Dep't.
Cox, Joseph Winston	Va.	Equity Building.
Crossman, Charles Sumner	Va.	Falls Church, Va.
Crowley, Claude Stephen	Ohio	1112 H Street.
Dean, Robert H	Ky.	1605 Lincoln Avenue.
Dodge, Arthur J.	Wis.	3401 Holmead Ave.
Dodge, Frederick A.	Va.	1119 N Street.
Dodge, Harris B.	Va.	601 I Street.
Dryden, Martin Thomas	D. C.	318 6th Street, N. E.
Drysdale, Hugh Paton	Mass.	1223 15th Street.
B. A., Williams College, 1897.		
Duncan, George Russell	Ill.	1219 Yale Street.
Earle, Wilton H.	S. C.	618 22d Street.
B. Lit., Furman University, 1898.		
Elliott, M. Artells	Ark.	808 14th Street.
Ph. B.		
Fairbanks, Warren Charles	Ind.	1804 Mass. Avenue.
A. B., Ohio Wesleyan Univer- sity, 1898.		
Fitzgerald, William	D. C.	1416 S Street.
Freeman, Joseph Edwin	Ill.	1770 Mass. Avenue.
Ph. B., University of Chicago.		

Name	State	Address
Fullilove, Samford C.	Ia.	926 Mass. Avenue. B. A., Centenary College, 1896.
Fulton, William G.	Va.	921 I Street.
Gaddess, Eugene I.	Va.	1432 Binney Street.
Gause, Herman Charles	Conn.	24 6th Street, S. E.
Gold, Hunter Boyd	Va.	714 18th Street.
Goodlove C.	Ohio	201 T Street.
Gordon, Allen Taylor Caperton. D. C.		6 Cooke Place.
Gordon, Gurdon Wright.	Mass.	29 I Street, N. E. B. A., Williams College, 1897.
Greer, Walter Andrew.	Mo.	1027 N. Capital St.
Griffith, William Oglesby	D. C.	1428 K Street. B. S., University of Pennsyl- vania, 1890; M. E., Univer- sity of Pennsylvania, 1891.
Hearn, Wilfred	Ark.	905 K Street
Heath, Thomas Ramsdell.	D. C.	528 Spruce Street.
Herbert, William C.	Va.	Alexandria, Va.
Herrick, Samuel.	Pa.	1644 21st Street.
Holloway, William H.	N. C.	1638 16th Street.
Hopkins, Marcus Clarence.	D. C.	817 15th Street.
Houchen, Stanley T.	Ind.	505 B Street, S. E.
Howard, John C.	D. C.	1149 N. H. Avenue.
Huggott, Martin Charles.	Mich.	1119 I Street.
Huidekoper, Frederic Louis.	D. C.	1705 N. H. Avenue. B. A., Harvard University, 1896; Christ Church, Ox- ford, 1898.
Hume, Robert Scott.	Va.	1235 Mass. Avenue. B. A., Yale University.
Jenks, Richard Leedom.	Pa.	307 G Street
Johnson, A. Stephenson.	D. C.	1315 Yale Street.
Johnson, Benjamin R.	N. Y.	1916 N Street. A. B., Hamilton College, 1897.
Johnson, Walter S.	Wash.	927 O Street.
Jones, Henry Elihu.	Minn.	1237 10th Street.
Jones, Horace T.	D. C.	233 R Street, N. E.
Karch, Charles M.	Ohio	1313 H Street. Ph. B., St. Lawrence.

Name	State	Address
Kimball, Harry Grant	N. Y.	1916 N Street.
A. B., Hamilton College, 1896.		
La Chance, Leander Hanscom	Ariz.	618 22d Street
Lewis, Samuel S.	Pa.	905 H Street.
List, M. Creel	Wash.	1623 H Street.
Long, Edward S.	Ky.	117 11th Street, N. E.
Magee, Charles L.	D. C.	103 Kentucky Ave.
Mayer, Charles David	Cal.	107 K Street.
McClure, William E.	Ore.	909 New York Ave.
A. B., University of Oregon, 1896.		
McCormick, Howard	D. C.	Wash'n Navy Yard.
Merrill, Thomas Sherlock	D. C.	416 T Street.
Metzerott, Oliver S.	D. C.	1806 K Street.
B. S., Princeton University.		
Miller, Thomas Marshall, Jr.	La.	1913 Penn. Avenue.
Minnegeerde, Fitz Lee	Va.	414 Prince Street, Alexandria, Va.
Moore, Edward S.	Wis.	467 M Street.
Nourse, Philip Beecher	Va.	West End, Va.
Pagelsen, Edward N.	Mich.	1208 I Street.
B. S., Michigan Agricultural College, 1889.		
Parker, Brainerd Warner	D. C.	1829 19th Street.
B. A., Yale University, 1898.		
Parkman, Charles Howard	D. C.	802 D Street, N. E.
Peters, Arthur Stephens	D. C.	1354 Columbia Road.
Plant, Arthur G.	D. C.	918 M Street.
Plumley, Walter Preston	D. C.	408 H Street.
Proctor, Alfred Waters	Mass.	1113 O Street.
Rawlings, Richard Galt	D. C.	604 9th Street.
Reed, Harry Day	Ga.	2408 Penn. Avenue.
Reinohl, William Parker	D. C.	611 Q Street.
Richardson, Harris P.	N. Y.	705 East Capitol St.
Ryan, Philip J.	N. Y.	1411 Mass. Avenue.
U. S. Naval Academy, 1883.		
Sabourin, George F.	Ia.	Geological Survey.
Schell, Augustus P.	Ky.	440 K Street.
Schuldt, Gus A.	D. C.	606 Penn. Ave., S. E.

Name	State	Address
Sisson, Harry R.	Ohio.	440 K Street
Slade, William Adams.	R. I.	205 I Street.
B. P., Brown University, 1898.		
Soult, Will Eugene.	Colo.	417 N. Y. Avenue
Spear, Edwin E.	D. C.	2650 14th Street
A. B., Bowdoin College, 1898.		
Spurrier, William Atwell.	Penn.	24 K Street.
Stephens, Robert Allan.	Ill.	Winder Building
Stewart, Harry W.	N. Y.	1729 F Street.
Stuart, Albert Rhett.	S. C.	1226 15th Street.
B. A., Columbian University, 1898.		
Summer, George W.	Neb.	1404 L Street
S. B., Massachusetts Institute of Technology.		
Talbott, James David.	Ill.	929 Farragut Square.
Turner, William Burke.	Ore.	502 B Street, N. E.
Twinn, Clark James.	N. Y.	1760 Q Street.
Veeder, Charles Adelbert.	Wis.	200 Indiana Avenue.
Weaver, Louis William.	D. C.	208 Md. Ave., N. E.
Whitney, Fred P.	N. Y.	1517 Columbia St.
Williams, Walter Beall.	D. C.	1319 8th Street.
Wilson, Charles McCormack.	D. C.	2909 Q Street.
Wiltse, Franklin Steele.	N. Y.	2009 Q Street.
Wingfield, Thomas Julian.	Va.	1519 T Street.
Wollard, John H.	D. C.	601 N. C. Avenue.
Woodworth, George Keen.	D. C.	1424 S Street.
Mech. E., Cornell University, 1896.		
Wooster, Julian S.	Conn.	Patent Office.
Workman, Henry C.	Mich.	1325 Kenesaw Ave.
B. S., Columbian University.		
Yeh, Joseph, Jr.	Guatemala	The Cairo.
A. B., National Institute, Guatemala, 1890; D. D. S., New York, 1895.		
Yellott, Robert E. Lee.	Va.	1613 O Street

Students in Patent Law.

Name	State	Address
Bartlett, John F.	Mass.	1721 P Street. LL. M., National University, 1897.
Becker, William J.	Wis.	1914 16th Street M. E., Royal Polytechnic, Munich, 1891; B. L., Co- lumbian University, 1898.
Billman, Obed Calvin.	Ohio.	917 N. Y. Avenue LL. B., Chicago Correspond- ence Law School, 1897.
Buck, Arthur A.	Mass.	700 20th Street. S. B., Massachusetts Institute of Technology, 1893; B. L., Columbian University, 1897.
Clay, F. W. H.	Ky.	1618 17th Street. LL. M., Columbian University.
Doyle, Bertram Martin.	Ky.	934 I Street. Ph. B., Riverside Seminary, 1892; LL. B., Columbian University, 1896; LL. M., Columbian University, 1897. C. E., Cornell University.
Duncan, Harry Lee.	N. Y.	1325 Kenesaw Ave. LL. B., New York Law School; M. E., Columbian Univer- sity.
Eakle, Edward H.	D. C.	1108 E. Capitol St. LL. B., Columbian University; LL. M., Columbian Univer- sity.
Farnsworth, F. Philip.	D. C.	1618 17th Street. Ph. B., Yale University, 1894; LL. B., Yale University, 1897.

Name	State	Address
Ferguson, Thomas H.	Mich.	Patent Office. Ph. B., University of Michigan, 1895; B. S., University of Michigan, 1896; LL. B., De- troit College of Law, 1897.
Goodwin, Edward C.	Mass.	1005 H Street.
Greist, Lewis T.	Ind.	810 12th Street, N. E. B. L., Columbia University, 1898.
Harris, Charles Gantt	D. C.	1917 Kolorama Ave. B. S., Worcester Polytechnic Institute; B. L., Columbia University, 1898.
Hatch, William M.	Vt.	1316 Wallach Place. A. B., Dartmouth College; B. L., Columbia Univer- sity; M. L., Columbia University.
Hodges, Vernon E.	D. C.	800 H Street LL. M., National University.
Johnson, A. Roland.	D. C.	1706 9th Street. LL. B., Columbia Univer- sity, 1895; LL. M., Co- lumbian University, 1896; LL. M., National Univer- sity, 1897.
Kinnan, Arthur F.	Mich.	Patent Office. B. S., Michigan State College; LL. B., Columbia Univer- sity, 1895.
Lawson, William C.	D. C.	312 Indiana Avenue.
Moore, David Pelton.	D. C.	2029 O Street. B. L., Columbia University, 1897; M. L., Columbia University, 1898.

Name	State	Address
Parker, Charles W.	Va.	626 F Street.
LL. B., Columbian University, 1896; M. L., Columbian University, 1897.		
Powell, Ralph C.	Ohio	1618 17th Street
A. B., Yale University, 1892; LL. B., National University, 1896; LL. M., National University, 1898.		
Prentiss, Spencer B.	D. C.	1218 9th Street
B. S., Columbian University, 1895; B. L., Columbian University, 1897; M. L., Columbian University, 1898.		
Reid, William H.	Pa.	2202 Decatur Place.
M. E., Polytechnic, Pa.		
Ruckman, Webster S.	Mich.	Patent Office.
B. S., University of Michigan, 1887; B. L., Columbian University, 1897; LL. M., National University, 1898.		
Saul, John A.	D. C.	1207 6th Street.
LL. M., Georgetown University.		
Seibold, Arthur Bingham	D. C.	110 Md. Ave., N. E.
LL. B., Columbian University, 1896; M. L., Columbian University, 1897.		
Smith, Louis C.	Mass.	911 3d Street
B. S., Worcester Polytechnic Institute; LL. B., National University; LL. M., National University.		

THE COLUMBIAN UNIVERSITY.

Name.	State.	Address.
Tucker, George P.....	Neb.....	633 G Street. B. S., Worcester Polytechnic Institute; LL. B., National University; LL. M., Na- tional University.
Wills, Walter H.....	D. C.....	312 Indiana Avenue. LL. B., National University; LL. M., National University.

Recapitulation.

Senior Class.....	107
First Year Class.....	121
Students in Patent Law.....	29
Total	257

THE COLUMBIAN UNIVERSITY.

THE COLUMBIAN COLLEGE.

THE CORCORAN SCIENTIFIC SCHOOL.

THE SCHOOL OF GRADUATE STUDIES.

THE LAW SCHOOL.

THE SCHOOL OF JURISPRUDENCE AND DIPLOMACY.

THE MEDICAL SCHOOL.

THE DENTAL SCHOOL.

THE GRADUATE VETERINARY SCHOOL.

THE SUMMER SCHOOL.

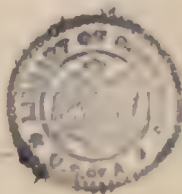
THE COLUMBIAN UNIVERSITY.

THE MEDICAL SCHOOL.



WASHINGTON, D. C.

1898-'99.



WASHINGTON, D. C.
JUDD & DETWEILER, PRINTERS.

1899.



THE UNIVERSITY HOSPITAL — WARD.

P.
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24/12

CALENDAR.

1898.

Sept. 26, 27,* *Monday, Tuesday*.—Examinations for Admission to Columbian College.

Sept. 28, *Wednesday*.—Academic year begins in Columbian College, Corcoran Scientific School, and School of Graduate Studies.

Oct. 3, *Monday*.—Academic year begins in Law School, Medical School, Dental School, and Graduate Veterinary School.

Nov. 15, *Tuesday*.—Formal opening of School of Comparative Jurisprudence and Diplomacy.

Nov. 24-26, *Thursday to Saturday*.—Thanksgiving recess.

RECESS FROM DECEMBER 24, 1898, TO JANUARY 2, 1899, INCLUSIVE.

1899.

Jan. 27, *Friday*.—Mid-year examinations end in Columbian College and Corcoran Scientific School.

Jan. 30, *Monday*.—Second Term begins in Columbian College and Corcoran Scientific School.

Feb. 1, *Wednesday*.—Annual Meeting of the General Association of Alumni.

Feb. 22, *Wednesday*.—Washington's Birthday; a holiday.

Mar. 31-April 3, *Friday to Monday*.—Easter holidays.

May 10, *Wednesday*.—Examinations for Degrees completed in Columbian College, Corcoran Scientific School, and School of Graduate Studies.

May 11, *Thursday*.—Last day on which Theses may be presented to the Dean of the School of Graduate Studies.

May 15, *Monday*.—Examinations completed in Medical School and Dental School.

May 17, *Wednesday*.—Examinations for Degrees completed in Law School and School of Comparative Jurisprudence and Diplomacy.

* All dates inclusive.

1899.

May 22, *Monday*.—Doctorate Disputation.

May 26, *Friday*.—Davis Prize Speaking in the Columbian College.

May 28, *Sunday*.—Baccalaureate Sermon.

May 30, *Tuesday*.—Final Examinations completed and session closed in Columbian College and Corcoran Scientific School.

May 29-31, *Monday to Wednesday*.—Examinations for Admission to Columbian College.

May 31, *Wednesday*.—Annual Meeting of the Board of Trustees.

May 31, *Wednesday*.—University Commencement.

June 19, *Monday*, to July 20, *Saturday*.—Session of the Summer School.

SUMMER VACATION.

Sept. 25, *Monday*.—Fall Examinations in Medical School and Dental School.

Sept. 25-27, *Monday to Wednesday*.—Examinations for Admission to Columbian College.

Sept. 27, *Wednesday*.—Academic Year begins in Columbian College, Corcoran Scientific School, and School of Graduate Studies.

Oct. 2, *Monday*.—Academic Year begins in Law School, School of Comparative Jurisprudence and Diplomacy, Medical School, Dental School, and Graduate Veterinary School.

Nov. 30-Dec. 3, *Thursday to Saturday*.—Thanksgiving recess.

Dec. 6, *Wednesday*.—Annual Meeting of the General Association of Alumni.

RECESS FROM DECEMBER 25, 1899, TO JANUARY 1, 1900, INCLUSIVE.

1900.

Jan. 26, *Friday*.—Mid-year Examinations completed in Columbian College.

Jan. 27, *Saturday*.—Mid-year Examinations completed in Corcoran Scientific School.

1900.

- Jan. 29, *Monday*.—Second Term begins in Columbian College and Corcoran Scientific School.
- Feb. 22, *Thursday*.—Washington's Birthday: a holiday.
- April 13, 14, *Friday, Saturday*.—Easter holidays.
- April 28, *Saturday*.—Lectures close in Graduate Veterinary School.
- May 9, *Wednesday*.—Examinations for Degrees completed in Columbian College, Corcoran Scientific School, and School of Graduate Studies.
- May 11, *Friday*.—Last day on which Theses may be presented to the Dean of the School of Graduate Studies.
- May 14, *Monday*.—Examinations completed in Medical School and Dental School.
- May 16, *Wednesday*.—Examinations for Degrees completed in Law School and School of Comparative Jurisprudence and Diplomacy.
- May 21, *Monday*.—Doctorate Disputation.
- May 27, *Sunday*.—Baccalaureate Sermon.
- May 28-30, *Monday to Wednesday*.—Examinations for Admission to Columbian College.
- May 29, *Tuesday*.—Final Examinations completed and session closed in Columbian College and Corcoran Scientific School.
- May 30, *Wednesday*.—Annual Meeting of the Board of Trustees.
- May 30, *Wednesday*.—University Commencement.

EDUCATIONAL ADVANTAGES OF WASHINGTON.

The Columbian University has special educational advantages in virtue of its location at the National Capital. The spirit of nationalism in Washington, the close association with public men and public questions, constitute a humanizing influence of the greatest value in the development of the American scholar. To the undergraduate or graduate student of the arts and sciences, to the professional student in law, diplomacy, medicine, dentistry, or veterinary medicine, Washington furnishes opportunities and facilities for study unrivalled by any American city.

Special libraries and large collections, illustrative of the various arts and sciences, have been accumulated by the action of Congress through a long series of years.

In view of the fact that in collecting such archives and materials it was the original purpose of the Government "to promote research and the diffusion of knowledge," the Congress of the United States has made these treasures accessible to students under the terms of the following joint resolution, approved April 12, 1892:

"Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That the facilities for research and illustration in the following and any other governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

1. Of the Library of Congress.
2. Of the National Museum.
3. Of the Patent Office.
4. Of the Bureau of Education.
5. Of the Bureau of Ethnology.
6. Of the Army Medical Museum.
7. Of the Department of Agriculture.
8. Of the Fish Commission.
9. Of the Botanic Gardens.
10. Of the Coast and Geodetic Survey.
11. Of the Geological Survey.
12. Of the Naval Observatory."

To students of Law and of Diplomacy the peculiar advantages of Washington are manifest. The Supreme Court is in session from October to May, and on each Monday morning delivers opinions orally. Students may listen to these and thus keep in touch with the latest utterances of the greatest court. The Supreme Court Library is open to students, and the State Department, with its large library, affords facilities for the study of diplomacy. Congress is in session during the winter, and here

the student sees the practical workings of the largest and most important legislative body, and listens to the discussion of matters touching interstate and foreign commerce and diplomatic relations. Here one comes into contact with the practical workings of the National Government in all its parts, and may secure the views and advice of practical men in all the great departments.

Many of the lecturers in the Schools of Law occupy the most important official positions in the gift of the nation and speak from a practical knowledge of the subjects they teach.

To medical and dental students the facilities for study and research are no less remarkable. The Army Medical Museum, which is open for inspection daily, presents a field for study superior to any other institution of the kind, either in this country or Europe. It has an unrivalled collection of anatomical and pathological specimens, illustrating normal anatomy and the results of disease in every form, and an almost unlimited number of other preparations showing the effect of gunshot wounds and surgical injuries of every kind. It also contains almost numberless crania of every human nationality, by an examination of which the student can find many dentures of theoretical perfection, and observe the effect of civilization and race admixture upon the dental organs.

At the United States Patent Office models of every conceivable form of dental instruments may be daily inspected, thus affording to the student an invaluable opportunity for studying the mechanical contrivances used in dental practice.

In the National Museum is found the most complete and best arranged collection of *Materia Medica* in the world. The drugs are shown in all their processes of manufacture, from the original package to the delicate alkaloid constituting the active principle.

Of great interest also are the Government Botanical Gardens and the grounds of the Agricultural Department, where there are rare collections of medicinal plants, from which are derived many of the preparations of the *Materia Medica*.

There could be no more appropriate location for a graduate veterinary college than the capital of this great stock-growing country. In the library of the Department of Agriculture and of the Bureau of Animal Industry may be found a vast collection

of works on veterinary medicine and hygiene, bacteriology, and the record books of all the important breeds of animals. The veterinary student will also find here the laboratory and experiment station of the Bureau of Animal Industry, where the highest class of investigations of animal diseases is conducted. These are model institutions, unequalled for their purpose in this country and unsurpassed in the world.

Statesmen, jurists, diplomatists, and legislators are in Washington. Scientific investigations conducted by the Government attract the most eminent scientists; the directory of the Washington Academy of Sciences and Affiliated Societies shows for 1899 a membership of 2,088. The National Capital is a place of meeting for scientific associations and international congresses of all kinds. It is the one city where the student from any part of the country is sure to find a congenial environment.

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The system of instruction adopted by the Medical School of this University includes lectures on Anatomy, Physiology, Chemistry, Materia Medica and Therapeutics, Surgery, Obstetrics, the Theory and Practice of Medicine, Hygiene, Bacteriology, Otolaryngology, Gynecology, Dermatology, Ophthalmology, Mental Diseases, Medical Jurisprudence, Nervous Diseases, Pædiatrics, Minor Surgery, Histology, Pathological Histology, Orthopedic Surgery, and Surgical Pathology.

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As Professor Thompson is the attending Surgeon of both the Children's Hospital and the Garfield Hospital, students are offered the opportunity for Clinical Instruction in these Institutions.

Every effort is made to teach Surgery in accordance with the latest developments of scientific research. At the School operations are performed upon the cadaver, and the uses of all important surgical instruments and appliances are demonstrated in the same manner.

MINOR SURGERY.—Practical class instruction is given by Professor McArdle and his assistants in the application of splints, dressings, etc., for the various surgical diseases and injuries.

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The student is urged to pay special attention to the course in Histology during the second year, as this is essential to a proper

understanding of the internal diseases of the human body. The courses in pathology and bacteriology should also receive the closest study, for without a clear knowledge of these subjects no satisfactory advance can be made.

The method of instruction employed in this subject is as follows:

1. Lectures at the School, with occasional recitations.
2. Clinical lectures at the University Hospital, with practical instruction in the art of diagnosis and in the methods of taking and recording histories of medical cases.
3. Demonstration of the use of instruments of research for the clinical study of the sputum, blood, feces, etc.

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This course comprises a series of lectures on the Science and Practice of Midwifery, together with additional lectures on Gynecology. The main purpose of the lecturer is to explain, impress, and simplify the matters to be studied in the books, so as to render them more easily intelligible, and hence more pleasing and satisfactory to the student. With this view the lectures are illustrated by diagrams, models, natural preparations, manikins, and instruments.

The Demonstrator of Obstetrics, Dr. Edward E. Morse, gives cases of labor to advanced students, and demonstrates obstetric operations, and allows students to perform these operations upon the manikin, under his direction. This course is limited to fourth-year students, and all are advised to take it before becoming candidates for graduation.

In the Department of Gynecology the various instruments and appliances used in treating the diseases of women are exhibited and their uses fully explained.

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In the course of instruction pertaining to this chair especial prominence is given to the physiological action of medicines and their therapeutic uses.

The value of a knowledge of Pharmacy and of the Natural History and Chemical Relations of the *Materia Medica* is not overlooked, but time does not admit of their being considered in detail in the lecture-room. Practical instruction in these subjects is given in the Pharmacy Laboratory.

The art of prescribing has a place in the consideration of individual drugs, particularly with reference to appropriate combinations, much of the success of the practitioner depending upon the practical application of his knowledge in the sick room.

The professor endeavors to make his instruction as practical as possible. The lectures are supplemented by working prescriptions and blackboard illustrations, as occasion admits. In the instruction given by this chair the metric system is used exclusively.

ANATOMY.

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Orthopedic Surgeon to the University Hospital and to the Washington Hospital for Femur Fractures.

This course of lectures is arranged with the view of rendering the didactic instruction in Anatomy as full and complete as the limits of the session will allow.

Sufficient knowledge of the anatomical structure of the human body may be acquired during the two courses of lectures, which each student attends, to qualify him for the practice of medicine, if at the same time he does his duty in the dissecting-room.

The lectures are illustrated by frequent reference to recent dissections and numerous drawings and diagrams. The serop-

ticon is also employed constantly to present photographic views of many regions of the body.

Special attention is given during the course to the surgical and medical relations of human anatomy, which are of so great importance in the practice of the medical profession.

Public oral examinations are conducted by the lecturer from time to time.

The prosectors prepare the subject for the lecturer.

The Demonstrator of Anatomy and his assistants give their personal attention to the students in the dissecting-room.

PRACTICAL ANATOMY.—The dissecting-room of the School is large, thoroughly ventilated, well lighted, and furnished with every requisite for the convenience and comfort of the student. Anatomical material is abundantly supplied. The room is open during the day and night until 11 p. m., and on some occasions even later. It is under the supervision of the Faculty and the immediate direction of the Demonstrator of Anatomy, who is present at stated hours to give personal attention to the students and properly to instruct them in their dissections. In the absence of the Demonstrator one of his assistants will be present to instruct the classes.

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This course embraces,—

A short discussion of the principles of physics in their relation to chemistry, the principles of chemical philosophy, the laws of chemical combination and affinity.

The elements, metals and non-metals; their methods of isolation, properties, compounds, and reactions, are studied.

Due attention is given to organic chemistry, especially those compounds that are of use in medicine.

Laboratory instruction is given in the general methods of qualitative and quantitative analysis, volumetric analysis, toxicology, urine analysis, water analysis, and special clinical analyses.

Opportunity for advanced work in biochemistry is afforded.

PHYSIOLOGY.

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This subject is fully presented by a two years' course of lectures, and the lectures are so illustrated by modern diagrams, models, and experiments as to make them clear in every detail. Especial emphasis is given to those truths that have a practical value.

Physiological anatomy receives special attention, and is illustrated by charts, diagrams, working models, and anatomical specimens in all cases and by demonstrations upon anesthetized living animals when necessary to a thorough understanding of the subject. Physiological anatomy is also taught by Professor Washburn in the laboratory, and an opportunity is given students to do practical physiological work as far as their time will permit.

DERMATOLOGY.

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MINOR SURGERY.

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This course deals with the relations of Physicians to matters under legal investigation. It covers as fully and practically as possible the more important subjects of forensic medicine.

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This course comprises lectures and clinical instruction on diseases of the nasal passages, pharynx, larynx, and also the ear.

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Lectures are given upon the more common and important of these affections.

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The Professor gives a series of lectures upon the Pathological Anatomy of Surgical Diseases and Injuries and upon Surgical Bacteriology, illustrated by means of charts and photographs.

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This course embraces didactic lectures on the Pathology, Etiology, Course and Termination of all Chronic Joint Diseases, and, as far as practicable, with clinical instruction of treatment of the same according to the most modern orthopaedic methods.

Special attention is given to the correction of all deformities, either acquired or congenital, by both mechanical and operative measures. There are afforded also practical illustrations as to applications of all the most modern orthopedic appliances.

Practical instruction is given in the application and use of plaster of Paris in treatment of Pott's Disease, Scoliosis, Club Feet, etc.

HYGIENE.

PROFESSOR PHILLIPS,

In charge of the Section of Climatology, U. S. Weather Bureau

The course in Hygiene is directed to teaching the relations of habits and surroundings to health, and the approved methods for making both habits and surroundings contribute to the preservation of health and the prevention of disease; it comprises also the consideration of the laws of hygiene as applied to the individual and to the community.

PATHOLOGY AND BACTERIOLOGY.

PROFESSOR REED,

Pathologist of the University Hospital, Curator of the Army Medical Museum,
and Professor of Cancer and Sanitary Microscopy in the
Army Medical School.

In this department the effort is made to give the student a practical knowledge, first, of the preparation of culture media, the principles of disinfection and sterilization, and the methods of cultivating, staining, and studying bacteria. After some familiarity with the biological characters of the pyogenic cocci has been acquired, the study of inflammation is next begun, so that the student may appreciate as fully as possible the several lesions which these microorganisms bring about in various tissues. Thereafter the courses in bacteriology and pathology are carried along, side by side, as much as possible, the specific lesions produced by a pathogenic bacterium being carefully studied in connection with its biological characters. During this course, which lasts from October to May, in addition to the process of inflammation, the diseases of the heart and blood-vessels, the lungs, the liver, kidney, spleen, and intestines are studied in succession.

as far as possible. For this purpose, sections illustrating the various diseases are carefully selected and given to the student, to be stained, mounted, and studied by himself under the immediate supervision of the instructor. These sections become thereafter the property of the student. The course terminates with the microscopical study of the several varieties of tumors.

HISTOLOGY.

PROFESSOR WASHBURN.

The study of Histology is compulsory for students in the second year of their course. Special attention is given to the manipulation of the microscope, and to that part of the technique necessary for an intelligent study of tissues. This is followed by a systematic study of the cellular structure of the elementary tissues and organs of the body. The Histological Laboratory, open both day and evening, is equipped with microscopes and accessory apparatus necessary for carrying out a thoroughly practical course of study in this subject. Examinations are held at the close of the session.

MENTAL DISEASES.

PROFESSOR FOSTER.

One of the Assistant Physicians to the Government Hospital for the Insane,
St. Elizabeth.

A series of lectures is given upon the subject of insanity in its varied forms. Clinical instruction is also given at the hospital.

PHARMACY.

DR. MORGAN.

Instruction in this course is directed especially to the following divisions of the subject: 1. The official preparations of the U. S. Pharmacopoeia. 2. Incompatibles. 3. Prescription writing. 4. Antidotes to poisons.

Each of these subjects is taught by laboratory work and practical exercises.

LABORATORY INSTRUCTION.

The laboratories are furnished with the necessary apparatus and with all modern appliances for practical instruction in Chemistry, Bacteriology, Normal and Pathological Histology, Clinical Medicine, and Pharmacy, as above described.

The Pathological Museum is equipped with a large number of interesting and valuable specimens. Dr. L. W. Glazebrook, the Deputy Coroner of the District of Columbia, has been made Curator of the Museum, and from time to time adds valuable specimens to the collection.

CLINICAL INSTRUCTION.

Attendance upon Clinical Instruction in Medicine and Surgery, during at least two years, is required, and upon other clinics as indicated by the special clinical card. When the student presents himself for examination a certificate to this effect must be furnished.

ADMISSION.

Candidates for matriculation are required to show that they are fitted, by previous education, for the study of medicine, and for this purpose they must either submit themselves to an examination or in lieu thereof present a satisfactory certificate of their attainments.

Should an examination be necessary, it will comprise the following subjects:

1. English composition.
2. Translation of easy Latin prose.
3. Elements of Algebra or Higher Arithmetic.
4. Elementary Physics.

Students conditioned or unable to undergo the examination in Latin or in Elementary Physics may obtain instruction on these subjects during the Freshman year, and on passing a satisfactory examination before the beginning of the second year will be matriculated.

Dr. O. A. M. McKimmie, 1333 N Street, N.W., will give further information in regard to instruction in Latin, Physics, etc

ADVANCED STANDING.

Students of other institutions who have attended one course of lectures in any regular medical school are placed upon the same footing with those who have attended one course in this School, and those who have attended two (or three) courses of lectures in any other regular college or colleges rank with those who have attended two (or three) courses in this institution, and the same privileges as regards examination are extended to them; they are admitted respectively as second, third, or fourth year students after passing a satisfactory examination upon the subjects required of our own students during the first, second, and third years, as previously described.

GRADUATION.

Candidates for the degree of Doctor of Medicine must be of good moral character and at least twenty-one years of age; they must have studied medicine four years, and must have attended four courses of lectures, the subjects arranged as follows:

First Year.

Unless otherwise stated, numbers indicated below mean lecture hours

(See Notes.)

Anatomy.—Two hours before, three hours after Christmas.

Physiology.—Two hours before, three hours after Christmas.

Chemistry.—Three hours before, two hours after Christmas; three hours' laboratory work.

Materia Medica and Therapeutics.—Three hours before, two hours after Christmas; one hour laboratory work.

Practical Anatomy.—Dissection-room open during the day and until 11 o'clock at night.

Examination at the end of the year upon the above-named subjects

Second Year.

Anatomy.—Two hours before, three hours after Christmas.

Physiology.—Two hours before, three hours after Christmas.

Chemistry.—Three hours before, two hours after Christmas; four hours' laboratory work.

Materia Medica and Therapeutics.—Three hours before, two hours after Christmas.

Histology.—Laboratory.

Practical Anatomy.—Dissection-room open all day and until 11 o'clock at night.

Examination at the end of this year upon the above-named subjects.

Third Year.

Surgery.—Three hours before, two hours after Christmas.

Medicine.—Two hours before, three hours after Christmas.

Obstetrics.—Three hours before, two after Christmas.

Minor Surgery.—One hour, from October 5 to December 14, bandaging, etc., in the manikin-room.

Dermatology.—One hour, from January 4 to March 16.

Ophthalmology.—One hour, from October 3 to December 5.

Bacteriology and Pathology.—Eight hours' laboratory work per week.

Surgical Pathology.—One hour, from October 7 to December 9.

Clinics.

Examination on the above-named subjects at the end of the year.

Fourth Year.

Surgery.—Three hours before, two hours after Christmas.

Medicine.—Two hours before, three hours after Christmas.

Clinics and laboratory instruction.

Obstetrics. Three hours before, two hours after Christmas.

Gynecology.—One hour, from January 4 to March 8.

Mental Diseases.—One hour, from January 2 to March 13.

Medical Jurisprudence.—One hour, from October 5 to December 14.

Nervous Diseases.—One hour, from January 6 to March 10.

Pædiatrics.—One hour, from October 2 to December 4.

Otology and Laryngology.—One hour, from October 30 to December 18, and from January 2 to March 19.

Orthopedic Surgery.—One hour, from January 8 to March 10.

Hygiene.—One hour, from January 3 to March 7.

Clinics.

Final examination at the close of the fourth year upon the above-named subjects.

The candidate must have dissected for at least two sessions, during each of which he shall be required to dissect two "parts" of a subject, and it is recommended that he dissect three parts. He must have attended also two courses of clinical instruction in Medicine and Surgery.

One month before the close of the session he shall enter his name with the Dean of the Faculty as a candidate for graduation, and at the end of the term present himself for examination. The examination is both written and oral. The examination for the degree is held at the end of the session in May.

Graduates of other accredited medical colleges must pass a satisfactory examination on the essential branches of medicine before receiving a diploma from this University.

Students who fail to pass the examinations in the spring are allowed a reexamination in the following fall.

The diploma is granted only at the Annual Commencement and the degrees are conferred by the authority of The Columbian University, incorporated by act of the Congress of the United States of America.

THE UNIVERSITY HOSPITAL.

Clinical teaching is conducted in this hospital in conjunction with the didactic lectures in the various branches. The convenient location and the fact that the hospital is under the immediate control of the Medical Faculty offer unusual advantages to the students of this school.

GARFIELD HOSPITAL.—Clinical Lectures are given regularly during the session by Professors Thompson and Van Reusselaer on Surgery, and by Professors Cook and Claytor on Medicine, Carmichael on Dermatology, and Butler on Ophthalmology. A great variety of medical and surgical diseases is to be seen in this institution, affording abundant material for clinical diagnosis and operative surgery.

CHILDREN'S HOSPITAL.—A weekly course of Medical and Surgical Clinics is given by Professors W. W. Johnston, Thompson, and Acker. An opportunity is here afforded for observing all the medical and surgical diseases, injuries, etc., to which children are liable. The Dispensary service of the Hospital is very large and instructive.

CENTRAL DISPENSARY AND EMERGENCY HOSPITAL.—Dr. H. L. E. Johnson, in charge of the department of diseases of women. Dr. Shands, on general medicine; Dr. Tompkins, in charge of nervous diseases; Dr. Carmichael, in dermatology, and Dr. Stone, in genito-urinary diseases, conduct courses of instruction in their respective branches.

PROVIDENCE HOSPITAL.—Clinical instruction, both medical and surgical, is given by the staff of this institution. Gynecological clinics by Dr. J. W. Boyce.

LUTHERAN EYE AND EAR INFIRMARY.—The diseases of the eye and ear in this hospital are demonstrated during the clinics of Professor Butler.

EPISCOPAL HOSPITAL.—Dr. Richardson shows cases of diseases of the nose, throat, and ear in the dispensary service of this hospital.

COLUMBIA HOSPITAL.—Clinics and gynecological operations by Dr. Boyce.

CLINICS GIVEN IN 1898-'99.

At the University Hospital.

Clinics were given by the different professors of the school in connection with their lectures during the term at convenient hours.

At the University Hospital Dispensary.

Surgical Diseases.—Tuesday, Thursday, and Saturday, 1 to 2 P. M.

Medical Diseases.—Tuesday, Thursday, and Saturday, 2 to 3 P. M.

Gynecology.—Wednesday and Friday, 1 to 2 P. M.

Diseases of the Eye.—Monday and Thursday, 2 to 3 P. M.

Diseases of the Ear and Throat.—Monday and Thursday, 1 to 2 P. M.

Diseases of the Skin.—Monday, 2 to 3 P. M.

Diseases of Children and Orthopedic Surgery.—Wednesday and Saturday, 2 to 3 P. M.

Nervous Diseases.—Tuesday and Friday, 2 to 3 P. M.

Genito-Urinary Diseases.—Saturday, 1 to 2 P. M.

At the Garfield Hospital.

Surgery.—Dr. Thompson, November to April. Dr. Van Rensselaer, October 1 to November 1.

Medicine.—Dr. Claytor, Tuesdays and Thursdays, 4 to 5, October 1 to November 15. Dr. Cook, Tuesdays and Thursdays, 4 to 5, January 1 to April 1.

Medical Dispensary Service.—Dr. Hardin, Mondays, Wednesdays, and Fridays at 2 p. m.

Surgical Dispensary Service.—Dr. Wellington, Tuesdays, Thursdays, and Saturdays at 2 p. m.

At the Children's Hospital.

Medicine.—Dr. Johnston, Saturdays, 4 to 5, October 1 to January 1.

Children's Diseases.—Dr. Acker, January 1 to April 1, Saturdays at 4 p. m.

Surgery.—Dr. Thompson, Tuesdays, 2 p. m., October to April. Dr. McArdle, Saturdays at 2 p. m.

Medical Dispensary Service.—Dr. Leech, Tuesdays, Thursdays, and Saturdays at 2 p. m.

Surgical Dispensary Service.—Dr. Wellington, Mondays, Wednesdays, and Fridays at 2 p. m.

At the Central Dispensary and Emergency Hospital.

Gynecology.—Dr. H. L. E. Johnson, October to April fourth year.

Orthopedic Surgery.—Dr. Shands, Fridays at 1 p. m.

Nervous Diseases.—Dr. Tompkins, Mondays 12 noon fourth year.

Surgery.—Dr. W. P. Carr, daily at 2 p. m., and Thursdays at 5.30 p. m., October 1 to January 15.

Genito-Urinary.—Dr. T. R. Stone, Tuesdays 9 to 10 a. m. fourth year.

Dermatology.—Dr. Carmichael, Mondays and Thursdays, 12 noon (third year).

At the Lathrop Dispensary.

Ophthalmology.—Dr. Butler, Tuesdays at 1 p. m. (third year).

Episcopal, Eccl., and Theat Hospital.

Otology and Laryngology.—Dr. Richardson, Saturdays at 1 p. m., November and December (fourth year).

At Providence Hospital and at Columbia Hospital by Special Invitation.

Gynecology. Dr. Bovée, Mondays and Thursdays (fourth year).

OBSTETRICAL DEMONSTRATIONS.

Obstetrical Demonstrations.—Dr. E. E. Morse, secured cases for fourth-year students.

SCHEDULE OF CLINICAL INSTRUCTION.

1899-1900.

Clinics at the UNIVERSITY HOSPITAL will be given by members of the Faculty at hours to be named at the beginning of the course.

In addition, Surgical Clinics, by Professor Thompson, at Garfield Hospital and at the Children's Hospital, during the entire course, and by Dr. Van Rensselaer at the Garfield, and by Dr. Carr at the Emergency Hospital.

Medical Clinics, by Professor Johnston, at Children's Hospital; by Professor G. Wythe Cook, at the Garfield Hospital, and by Professor Claytor, at the Garfield Hospital.

Clinics on the special branches will be given by Professor Acker, at the Children's Hospital, from January to April; by Professor H. L. E. Johnson, at the Emergency Hospital, on Gynecology; by Professor Richardson, on Laryngology and Otology, at the Lutheran Eye and Ear Infirmary; by Professor Butler, on the Diseases of the Eye, at the Lutheran Eye and Ear Infirmary and Garfield Hospital; by Professor Tompkins, on the Diseases of the Nervous System; Dr. Shands, in Medicine; Dr. J. W. Bovée, at Providence (on Gynecology); by Dr. Carmichael, in Dermatology, and Dr. T. R. Stone, in Genito-urinary Diseases, at the Emergency Hospital.

Cards giving exact days and hours of all clinical instruction are issued at the beginning of each term.

When the student presents himself for graduation he must furnish a certificate from Drs. Thompson, Van Rensselaer, and Carr that he has attended two full courses of instruction in clinical surgery, and from Drs. Johnston, Acker, Cook, and Claytor that he has attended two full courses of clinical medicine.

LECTURES.—FIRST YEAR, 1899-1900.

BEFORE CHRISTMAS.

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
5 30		CHEMISTRY. Lower Room.		CHEMISTRY. Lower Room.		CHEMISTRY. Lower Room.
6 30		MATERIA MEDICA AND THERAPEUTICS. Lower Room.	ANATOMY. Upper Room.	MATERIA MEDICA AND THERAPEUTICS. Lower Room.		MATERIA MEDICA AND THERAPEUTICS. Lower Room.
7 30	PHYSIOLOGY. Upper Room.				PHYSIOLOGY. Lower Room.	ANATOMY. Upper Room.
8 30	PRACTICAL ANAT- OMY.	CHEMISTRY. Laboratory.	PRACTICAL ANAT- OMY.	PRACTICAL ANAT- OMY.	PRACTICAL ANAT- OMY.	PHARMACY.

AFTER CHRISTMAS.

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY.
5 30		CHEMISTRY. Lower Room.				CHEMISTRY. Lower Room.
6 30		MATERIA MEDICA AND THERAPEUTICS. Lower Room.	ANATOMY. Upper Room.		ANATOMY. Upper Room.	MATERIA MEDICA AND THERAPEUTICS. Lower Room.
7 30	ANATOMY. Upper Room.		PHYSIOLOGY. Lower Room.		PHYSIOLOGY. Lower Room.	
8 30	PHYSIOLOGY. Lower Room.	CHEMISTRY. Laboratory.		PRACTICAL ANAT- OMY.	PHARMACY.	PRACTICAL ANAT- OMY.

LECTURES.—SECOND YEAR, 1899-1900.
BEFORE CHRISTMAS.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8 30	HISTOLOGY. Laboratory.	CHEMISTRY. Lower Room.	PRACTICAL ANAT- OMY.	CHEMISTRY. Lower Room.	HISTOLOGY. Laboratory.	CHEMISTRY. Lower Room.
9 30	HISTOLOGY Laboratory	MATERIA MEDICA AND THERAPEUTICS Lower Room.	ANATOMY. Upper Room.	MATERIA MEDICA AND THERAPEUTICS. Lower Room.	HISTOLOGY. Laboratory.	MATERIA MEDICA AND THERAPEUTICS. Lower Room.
7 30	PHYSIOLOGY. Upper Room.	PRACTICAL ANAT- OMY.	PRACTICAL ANAT- OMY.	CHEMISTRY. Laboratory.	PHYSIOLOGY Lower Room.	ANATOMY. Upper Room.
8 30	PRACTICAL ANAT- OMY.			CHEMISTRY. Laboratory.		PHARMACY.

AFTER CHRISTMAS.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8 30	HISTOLOGY. Laboratory.	CHEMISTRY. Lower Room.		HISTOLOGY. Laboratory.	PRACTICAL ANAT- OMY.	CHEMISTRY. Lower Room.
7 30	HISTOLOGY. Laboratory.	MATERIA MEDICA AND THERAPEUTICS. Lower Room.	ANATOMY. Upper Room.	HISTOLOGY. Laboratory.	ANATOMY. Upper Room.	MATERIA MEDICA AND THERAPEUTICS Lower Room
8	ANATOMY. Upper Room.	PRACTICAL ANAT- OMY.	PHYSIOLOGY. Lower Room.	PRACTICAL ANAT- OMY.	PHYSIOLOGY. Lower Room.	CHEMISTRY. Laboratory
8 30	PHYSIOLOGY. Lower Room.		PRACTICAL ANAT- OMY.		PHARMACY.	

LECTURES.—THIRD YEAR, 1899-1900.
BEFORE CHRISTMAS.

HOURS	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
5.30	Surgey. Upper Room.	4.30, CLINICS.	Surgey. Upper Room.	4.30, CLINICS.	Surgey. Upper Room.	4.30, CLINICS.
6.30	Obstetrics. Upper Room.	Oct. 3 to Dec. 31. Ophthalmology. Upper Room.	Obstetrics. Lower Room.		Obstetrics. Upper Room.	Oct. 7 to Dec. 31. Surgical Pathology. Upper Room.
7.30	Bacteriology. Laboratory.	Practical. Lower Room.	Bacteriology. Laboratory.	Practical. Lower Room.	Bacteriology. Laboratory.	
8.30	Bacteriology. Laboratory.		Bacteriology. Laboratory.	Oct. 3 to Dec. 31. Minor Surgery and Bandaging. Special Room.	Bacteriology. Laboratory.	

AFTER CHRISTMAS.

HOURS	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
5.30	Surgey. Upper Room.	4.30, CLINICS.	4.30, CLINICS.	4.30, CLINICS.	Surgey. Upper Room.	4.30, CLINICS.
6.30	Obstetrics. Upper Room.	Practical. Lower Room.	Pathology. Laboratory.		Obstetrics. Lower Room.	
7.30	Pathology. Laboratory.		Pathology. Laboratory.	Practical. Lower Room.	Pathology. Laboratory.	Practical. Lower Room.
8.30	Pathology. Laboratory.		Pathology. Laboratory.	Jan. 4 to March 10. Dermatology. Lower Room.	Pathology. Laboratory.	

LECTURES.—FOURTH YEAR, 1899-1900.
BEFORE CHRISTMAS.

HOURS	MONDAY	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SAURDAY
5-6	SURGERY. Upper Room.	4-5 CLINICS.	SURGERY. Upper Room.	4-30 CLINICS	SURGERY. Upper Room.	4-30 CLINICS
6-8	OBSTETRICS. Upper Room.		OBSTETRICS. Lower Room.	(Oct. 8 to Dec. 14.) MEDICAL JURIS- PRUDENCE. Upper Room.	OBSTETRICS. Upper Room.	CLINICAL LABORA- TORY INSTRUCTION.
7-8	Oct. 10 to Dec. 12 PEDIATRICS. Lower Room.	PRACTICE. Lower Room.		PRACTICE. Lower Room.		
8-9	Oct. 3 to Dec. 15 OTOLOGY AND LARYNGOLOGY. Lower Room.					

AFTER CHRISTMAS.

HOURS	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
5-6	SURGERY. Upper Room.	4-30 CLINICS.	4-30 CLINICS.		SURGERY. Upper Room.	4-30 CLINICS.
6-8	OBSTETRICS. Upper Room.	Jan. 3 to Mar. 12 MENTAL DISEASES. Upper Room.	Jan. 3 to Mar. 7 HYGIENE. Lower Room.	(Jan. 4 to Mar. 8.) GYNECOLOGY. Upper Room.	OBSTETRICS. Lower Room.	(Jan. 6 to Mar. 10.) NERVOUS DISEASES. Upper Room.
7-8	Jan. 8 to Mar. 4 OTOLOGY AND LARYNGOLOGY. Lower Room.	PRACTICE. Lower Room.	CLINICAL LABORA- TORY.	PRACTICE. Lower Room.		PRACTICE. Lower Room.
8-9						Jan. 4 to Mar. 7 ORTHOPEDIC SUR- GERY. Upper Room.

UNIVERSITY LECTURES.

Students of the Medical School are admitted, without further fee, to the University Lectures. When qualified to profit by them, they may secure admission to other lectures, given in the Hall of the University, by applying to the Dean.

PRIZES.

At the end of the term a General Examination Prize of fifty dollars is awarded. It is given to the candidate for graduation who shall pass the best general examination.

The Faculty awards two additional prizes—one for proficiency in Clinical Medicine and one for proficiency in Clinical Surgery.

In addition to these, Professor H. C. Yarrow gives a prize for the best examination in Dermatology; Professor H. L. E. Johnson gives one for the best examination in Clinical Gynecology; Professor Sterling Ruffin gives one for the best examination in Medical Jurisprudence; Professor C. W. Richardson gives one for the best examination in Laryngology and Otology; Professor E. L. Tompkins gives one for the best examination in Nervous Diseases, and Professor Ackers gives one for the best examination in Pediatrics.

At the commencement, in June, 1898, the General Examination Prize was awarded to W. N. Fisher, of Virginia; first honorable mention was made of George K. Baier, of the District of Columbia; second honorable mention of T. A. Groover, of Georgia, and third honorable mention of Wright Rives, of Maryland.

The Faculty Prize in Clinical Medicine was awarded to Thos. Dowling, Jr., of the District of Columbia.

The H. C. Yarrow Prize in Dermatology was awarded to B. F. Tiefenthaler, of Ohio; the H. L. E. Johnson Prize in Clinical Gynecology, to P. L. Gunckel, Kansas; the Sterling Ruffin Prize in Medical Jurisprudence was awarded to E. A. A. Cook, of the District of Columbia.

The C. W. Richardson Prize in Laryngology and Otology was awarded to G. H. Schwinn, of Maryland.

The E. L. Tompkins Prize in Nervous Diseases was awarded to F. H. Morhart, of Ohio.

The Walter Reed Prize in Bacteriology was awarded to P. W. Huntington, of the District of Columbia.

EXPENSES.

For the session of 1899-1900 and thereafter the fee for each year will be \$110. This covers all expenses, dissection and laboratories included, except breakage or loss of valuable apparatus in the laboratories. Each graduate pays a \$5 fee for diploma. Of this amount at least \$25 must be paid upon entrance and before beginning dissection.

A deposit is required to defray the expense of apparatus destroyed in the chemical and other laboratories.

For special courses the following fees will be charged :

Matriculation fee, payable only once.....	\$5 00
Single tickets.....	25 00
Practical Anatomy, by the Demonstrator.....	10 00
Laboratory tickets, each, per year.....	10 00

Payment of the fees is required in all cases, and must be made at the commencement of the session, unless there are special arrangements with the Dean to suit the convenience of the student.

The prices of board range from \$12 to \$30 per month, and rooms may be obtained for \$10 and upward per month, according to location, etc.

SCHOLARSHIPS.

By virtue of a liberal endowment from the late Mr. W. W. Corcoran, this School is enabled to offer six free Scholarships.

Two of these Scholarships are open for competitive examination to the graduates of the several High Schools of the District of Columbia. These two Scholarships are awarded to the two students whose averages are highest.

Two of the Scholarships are open for competitive examination to graduates of any reputable High School or College (preference being given to those in the District of Columbia) who shall give satisfactory written evidence of pecuniary inability and certificates of good moral character and industry. These two Scholarships are awarded to the two graduates whose averages are highest.

The remaining two Scholarships are open for competitive examination to students who, though not graduates of any

High School or College, yet give satisfactory evidence that they are fitted by previous education for the study of medicine, and at the same time give satisfactory written evidence of pecuniary inability and certificates of good moral character and industry. These two Scholarships are awarded to the two students whose averages are highest.

In addition to the above-mentioned six Corcoran Scholarships, the Faculty offer two Medical Missionary Scholarships, which shall be given to those applicants judged by the President of the University best qualified to enter the study of medicine for the purpose of becoming medical missionaries.

Applications should be addressed to the Dean and sent in not later than the first of September.

The School Building is situated opposite a Government reservation, at No. 1325 H Street, N. W.. THE UNIVERSITY HOSPITAL at 1335 H Street, N. W., within half a square of three lines of street cars going to every part of the city.

Students desiring further information are requested to address

DR. E. A. DE SCHWEINITZ, *Dean*,

1325 H Street, N. W.

STUDENTS IN MEDICINE.

First Year Students.

<i>Name.</i>	<i>State.</i>	<i>Address.</i>
Anderson, U. G.....	N. J.....	935 Pa. Avenue.
Boag, John.....	Ga.....	623 4th Street.
Conyngton, Wm.....	Texas....	Navy Yard.
Crook, Harrison E.....	D. C.....	Geological Survey.
Cunningham, C. G.....	N. Y.....	918 Mass. Ave.
Embrey, E. R. S....	Va.....	611 E Street, S. E.
Emery, O. V.....	Pa.....	Treasury Depatme't.
Fitch, Arthur C.....	N. Y.....	1008 F Street.
Fitch, Fredrick A.....	Ky.....	1325 Vermont Ave.
Foust, Earl H.....	Mich....	810 9th Street, N. E.
Fry, Samuel.....	La.....	Post Office Dept.
Grant, J. L.....	Va.....	
Green, R. J.....	D. C.....	St. Elizabeth Hosp.

Name.	State.	Address.
Gilbert, A. L.	Va.	1308 B Street, S. E.
Gilechrist, Edgar Y.	Md.	652 Mass. Ave., N. E.
Glasecock, Alfred.	Va.	1709 21st Street.
Halstead, Griffin	Ohio.	1029 Conn. Avenue.
Hathaway, W. A.	Pa.	1112 13th Street
Hudson, Edward C.	Texas.	316 C Street.
Houghton, M. W.	D. C.	1830 14th Street.
Jewett, Henry M.	N. H.	509 1st Street, N. E.
Jones, E. B.	Ind.	Agricultural Dept.
Laird, J. Packard	Va.	Keene, Va.
Lynch, J. Mortimer	Texas.	1423 Q Street
Lawton, E. M.	D. C.	1143 24th Street.
Lindville, Thomas	N. C.	921 I Street.
Little, Richard M.	Ohio	519 East Capitol St.
McClanahan, A. L.	Va.	2927 M Street.
McDaniel, J. M.	S. C.	The Genoa.
McGeary, T. J.	Pa.	712 11th Street.
McGraw, J. E.	D. C.	830 D Street, S. E.
McKee, J. M.	N. Y.	2123 K Street
Norcross, Alfred C.	Pa.	620 I Street.
Parsells, Chas. W.	N. Y.	723 18th Street.
Price, M. H.	Va.	1255 H Street, N. E.
Pipes, H. F.	W. Va.	1542 7th Street.
Perry, Edward L.	Mass.	
Poole, F. H.	Texas.	807 9th Street.
Pulliam, J. M.	Va.	St. Elizabeth Hosp.
Prevatt, J. T.	Ga.	1304 L Street.
Ransdell, R. C.	Ind.	1422 N Street.
Rogers, J. D.	D. C.	721 8th Street.
Reddy, Owen W.	Mass.	202 Del. Ave., N. E.
Robey, W. I.	Va.	222 East Capitol St.
Smith, Jos. W.	Md.	Frederick, Md.
Smith, L. Conway.	Va.	Alexandria, Va.
Stetson, Thos.	D. C.	1324 12th Street.
Tinker, B. L.	Pa.	810 9th Street, N. E.
Tyree, W. R., Jr.	D. C.	1347 Md. Ave., N. E.
Williams, J. H.	Ga.	1520 Corcoran Street.
Wood, W. C.	Kan.	1420 5th Street.
Worthley, M. L.	Pa.	2218 6th Street.

Second Year Students.

Name	State	Address
Adamson, J. H.	Va.	Alexandria, Va.
Atherton, B. F.	Ga.	1615 Marion Street.
Barnes, Geo. S.	S. C.	1517 I Street.
Beard, W. H.	D. C.	1315 N Street.
Bennett, A. B., Jr.	D. C.	Station A.
Bone, B. F.	D. C.	Wash'n Barracks.
Brown, T. J. W.	Tenn.	1112 E3th Street, N. E.
Brearden, R.	Wis.	Weather Bureau.
Carswell, F. I.	Ga.	1002 N Street.
Collins, H. F.	D. C.	125 10th Street, N. E.
Costello, M. E.	Md.	Hyattsville, Md.
Covert, J. R.	D. C.	Takoma Park.
Clayton, G. L.	La.	436 1/2 H Street.
Cummings, A. J.	Md.	Chevy Chase.
Davis, W. T.	Ky.	1005 8th Street.
Eastman, W. R.	Va.	Falls Church.
Freeman, P. L.	Md.	516 11th Street, S. E.
Foster, C. L.	Miss.	1226 12th Street.
Georges, I.	Greece.	Greece
Grasty, T. S. D.	Va.	625 Q Street.
Harlan, T.	D. C.	
Hoadley, A. M.	N. Y.	241 Pa. Avenue.
Hayes, M. W.	N. C.	2133 F Street.
Knowlton, J. W.	Mass.	1213 I Street.
Kittredge, H. E.	Vt.	1027 8th Street.
Kirkendall, H. J.	Pa.	2618 K Street.
Lewis, G. E.	Mass.	1327 Whitney Ave.
Leech, W. V.	Md.	712 7th Street, N. E.
Love, S. W. E.	Md.	221 9th Street, N. E.
Leatherman, R. E.	D. C.	1413 Q Street.
Mason, E. L.	Va.	Children's Hospital.
Mattingly, G. D.	Md.	708 N. C. Ave., S. E.
March, Harry A.	Ohio.	906 I Street.
Marshall, J. W.	Idaho.	1316 L Street.
Magruder, E. P.	Md.	1220 H Street.
Moore, E. B.	D. C.	The Savoy.
Morris, S. J.	Ohio.	1615 1st Street, N. E.
Morton, Baxter	La.	Patent Office.

Name	State	Address
Murray, A.	Va.	Alexandria, Va.
Mitchell, J. E.	Md.	407 Pa. Avenue.
McMichael, S. J.	S. C.	2110 K Street.
Nelson, A. T.	Va.	1506 6th Street.
Perlie, H. E.	Mass.	924 14th Street.
Pyles, W. L.	D. C.	224 11th Street, S. E.
Perkins, W. R.	Md.	627 Pa. Avenue.
Pierce, W. F.	D. C.	
Pollard, W. T.	Va.	Alexandria, Va.
Quinn, W. A.	D. C.	4364 H Street.
Reed, D. H.		901 French Street.
Riley, B. P.	Md.	Oakdale, Md.
Ruffin, Geo. M.	N. C.	1023 Vermont Ave.
Russell, R. L.	D. C.	10 7th Street, N. E.
Rucker, H. C.	Va.	214 E Street.
Ryder, L. W.	Conn.	Marine Hospital.
Tobias, H. W.	Pa.	Treasury Departm't.
Turner, K. B.	Kan.	8932 K Street.
West, R. T.	Md.	Ashton, Md.
Williams, J. M.	Va.	Alexandria, Va.
Wimberly, G. W.	Ga.	1422 30th Street.
Zynaga, A. C.	D. C.	Brooklyn, D. C.

Third Year Students.

Name	State	Address
Atkinson, J. F.	Ind.	
Barron, N. L.	Ala.	902 G Street.
Beale, R.	D. C.	3062 I Street.
Beall, C. M.	D. C.	1469 Kenesaw Ave.
Brown, O. G.	D. C.	1357 Roanoke Street.
Brown, H. L.	D. C.	230 North Capitol St.
Bradshaw, G. M. B.	Pa.	War Department.
Birtwell, D. T.	Pa.	1309 H Street.
Cuthbertson, C. W.	N. C.	622 E Street.
Clark, C. P.	Miss.	626 I Street.
Clark, W. S.	N. Y.	819 13th Street.
Copeland, E. P.	D. C.	507 C Street, S. E.
Dixon, T. B.	D. C.	445 O Street.
Dailey, W. F.	Miss.	1312 Q Street.

THE MEDICAL SCHOOL.

33

Name	State	Address.
Ford, R. H.	D. C.	Geological Survey.
Griffith, W. E.	Pa.	420 11th Street, N. E.
Greene, H. S.	Vermont.	1320 Q Street.
Greenstreet, A. G.	Mo.	7 Grant Place.
Gardner, D. M.	Mass.	808 11th Street.
Heath, F. C.	Md.	1010 H Street.
Hales, R. A.	N. C.	1325 12th St., N. E.
Johnson, F. T.	Mich.	1400 Staughton St.
Kleiner, R.	Md.	725 12th Street.
Kemp, T. J.	Neb.	Treasury Departm't.
Manning, H. M.	D. C.	637 Maryland Ave.
Main, R. B.	D. C.	2009 Mass. Avenue.
Mason, S. M.	Va.	1827 H Street.
Macatee, H. C.	Va.	3 Thomas Circle.
Murdock, L. H.	Neb.	1948 2d Street.
Moulden, W. R.	D. C.	1305 R. I. Avenue.
Price, H. M.	D. C.	426 7th Street, S.W.
Prentiss, E. C.	D. C.	1218 9th Street.
Ragan, C. A.	Tenn.	224 14th Street.
Reis, Henry, Jr.	Ohio.	Garfield Hospital.
Riggles, J. L.	D. C.	445 O Street.
Robinson, G. M.	Pa.	1313 H Street.
Schlaar, W. F.	N. Y.	800 O Street.
Smith, C. T.	Va.	30 Grant Place.
Simmons, M. J.	Md.	1411 Corcoran St.
Stewart, J. W.	N. C.	1309 H Street.
Westlake, A. J.	N. C.	304 L Street.
Webb, U. R.	Tenn.	1115 R. I. Ave.

Fourth Year Students.

Name	State	Address
Allen, J. H.	Tenn.	1418 L Street.
Andrews, W. T.	Mich.	1924 3d Street.
Baker, Osmyn.	N. J.	609 E Street.
Blye, B. F.	N. Y.	1321 Wallach Place.
Blackburn, S. A.	Kv.	472 Louisiana Ave.
Butz, A. D.	Pa.	Eastern Dispensary.
Butler, A. R.	Oregon.	Civil Service Com'n
Coleman, C. O.	Va.	

Name	State	Address
Cox, P. M.	Md.	519 L Street.
Fadley, F. F.	Va.	223 N Street.
Gallinger, W. H.	N. H.	The Elsmere.
Grubbs, R. B.	Va.	1460 Concord St.
Gibson, F. E.	D. C.	927 I Street.
Gunion, J.	D. C.	927 O Street.
Gotwald, L. M.	Pa.	1230 11th Street.
Gotta, R. C.	Pa.	818 N. J. Ave.
Graham, H. H.	Ohio.	305 H Street.
Hester, F. D.	Va.	The Portland.
Hodes, H. K.	N. Y.	725 13th Street.
Key, Sothoron	Md.	1807 G Street.
Leith, A. T.	Wis.	1461 Florida Ave.
May, H. A.	N. Y.	1826 9th Street.
Mason, O. J.	N. Y.	1320 I Street.
Mathews, W. W.	La.	
Medley, W. W.	Va.	1007 13th Street.
Musgrave, W. E.	Tenn.	Wash'n Barracks.
McKeldin, R. A. W.	Ind.	1242 Md. Ave., N. E.
McIntee, M. J.	Mass.	1330 New York Ave.
McKee, W. P.	D. C.	809 22d Street.
Perry, C. R.	Va.	2022 G Street.
Perkins, Joseph.	Ill.	725 13th Street.
Prentiss, D. W.	D. C.	1218 9th Street.
Porter, H. F.	N. Y.	3035 O Street.
Reichelderfer, L. H.	Ohio.	1309 17th Street.
Rittenour, A. A.	Va.	Alexandria, Va.
Riley, P. C.	Md.	Children's Hospital.
Selhausen, H. A.	D. C.	510 D Street, S. E.
Stearns, J. W.	D. C.	1756 Madison Street.
Snoddy, T. B.	Tenn.	1217 K Street.
Sheridan, G. J.	N. Y.	"The Kenmore."
Sims, W. E.	S. C.	519 L Street.
Smith, H. W.	Pa.	Navy Department.
Smith, W. T.	Ga.	1404 L Street.
Stromberger, H. H.	D. C.	642 C Street, N. E.
Tappan, J. C.	D. C.	507 B Street, S. E.
Taylor, A. A.	Ohio.	915 I Street.
Tiefenthaler, B. F.	Ohio.	516 10th Street.

Name	State	Address
Ward, W. K.	D. C.	1756 Pa. Avenue
Williams, W. C.	D. C.	United States Jail
Worstell, G.	Texas	436 H Street.
Wyeth, L. J.	Ill.	2022 R Street

Special Students

Name	State	Address
Atwood, B. F., M. D.		Wash'n Barracks
Briggs, L. V.	Mass.	
Benton, Dr.	N. Y.	Navy Yard
Brown, L. S., Jr.		1509 13th Street.
Dorsett, M., M. D.	Pa.	Agriculture Dept.
Easterly, B. H.		1115 E. Capitol St.
Newburn, J. M., M. D.	D. C.	1112 13th Street.
McDonald, P. E., M. D.	Ga.	1418 L Street.

Total. 213

TEXT-BOOKS AND WORKS OF REFERENCE.

- ANATOMY.**—*Gray's*,* *Morris'*, or *Quain's* Anatomy; *Holden's* Manual of Dissection; *Haynes' Manual of Anatomy*; *Wiedersheim's Structure of Man*.
- PHYSIOLOGY.**—*Flud's*, *Kirke's*, *Foster's* or *Yeo's* Physiology.
- CHEMISTRY.**—*Reichert's*, *Remsen's*, *Senn's*, *Fowne's* Chemistry; *Bowman's Medical Chemistry*; *Witthaus' Chemistry*; *Purdy's Synopsis*; *Remsen's Organic Chemistry*.
- MATERIA MEDICA.**—*H. & Wood's Therapeutics*; *National Dispensatory*; *Ede's Therapeutics*.
- SURGERY.**—*Ashurst's*, *Gross' System of Surgery*; *Erichsen's* or *Druitt's Surgery*; *Principles of Surgery*, *Senn*.
- PRACTICE OF MEDICINE.**—*Oster*; *Wood and Fitz*; *Tyson*; *Anders*; *American System of Practical Medicine* (*Loomis-Thompson*); *Da Costa's Diagnosis*, *Musser's Diagnosis*; *Clinical Diagnosis*, *Simon*; *Klemperer*; *Clinical Examination of the Blood*, *Cabot*; *Applied Therapeutics*, *Wilson*.

* The works first named and underlined are preferred.

PRIZE AWARDS. 1899.

The General Examination Prize of Fifty Dollars, awarded to Luther Halsey Reichelderfer, of Ohio.

First honorable mention, awarded to Sothoron Key, of Maryland.

Second honorable mention, awarded to John Howard Allen, of Tennessee.

Third honorable mention, awarded to Orville J. Mason, of New York.

The Faculty Prize in Clinical Medicine, awarded to Robert B. Grubbs, of Virginia.

The H. L. E. Johnson Prize in Clinical Gynecology, awarded to Sothoron Key, of Maryland.

The Sterling Rutlin Prize in Medical Jurisprudence, awarded to L. H. Reichelderfer, of Ohio.

The C. W. Richardson Prize in Laryngology and Otology, awarded to William K. Ward, of the District of Columbia.

The E. L. Tompkins Prize in Nervous Diseases, awarded to Percy M. Cox, of the District of Columbia.

The G. N. Acker Prize in Pediatrics, awarded to Henry A. May, of New York.

The H. C. Yarrow Prize in Dermatology, awarded to Randolph Kleiner, of Indiana.

THE COLUMBIAN UNIVERSITY.

THE SCHOOL
OF
COMPARATIVE JURISPRUDENCE
AND
DIPLOMACY.

1898-'99.

WASHINGTON, D. C.

THE SCHOOL
OF
COMPARATIVE JURISPRUDENCE AND DIPLOMACY.

POST-GRADUATE COURSE.

ANNOUNCEMENT, 1898-'99.

LIST OF PROFESSORS AND LECTURERS.

BENAIAH L. WHITMAN, D. D., PRESIDENT,
Political History and Science.

CHARLES W. NEEDHAM, LL. M., DEAN,
Interstate Commerce Law ; History of American and English Law.

HON. JOHN M. HARLAN, LL. D.
(Associate Justice of the Supreme Court of the United States).
Conflict of Laws ; Comparative Constitutional Law.

HON. DAVID J. BREWER, LL. D.
(Associate Justice of the Supreme Court of the United States).
International Law.

HON. JOHN W. FOSTER, LL. D.
(Ex-Secretary of State).
Diplomacy and Treaties.

HON. WILLIAM WIRT HOWE
(of the New Orleans Bar).
Roman Law.

HON. WILLIS VAN DEVANTER
(Assistant Attorney General).
Equity Pleading and Practice.

HON. LYMAN J. GAGE
(Secretary of the Treasury).
Lecturer on Finance.

Other special Lectures will be given during the year, the announcement of which will be made.

The following courses in the Law School may be taken by students of this School without extra charge :

Constitutional Law :

HON. JOHN M. HARLAN, LL. D.

(Associate Justice of the Supreme Court of the United States).

Equity Jurisprudence :

HON. DAVID J. BREWER, LL. D.

(Associate Justice of the Supreme Court of the United States)

Common Law Pleading ; Jurisdiction and Practice of the Federal Courts :

HON. WILLIAM A. MAURY, LL. D.

(Sometime Assistant Attorney General of the United States)

Common Law Practice :

WILLIAM G. JOHNSON, LL. M.

(of the Washington Bar).

Moot Courts :

CHARLES W. NEEDHAM, LL. M.

CHARLES RAY DEAN, LL. B.,

Secretary of the Schools of Law.

Founding, Objects and Degrees.

At the annual meeting of the Board of Trustees of the University in June, 1898, an ordinance was adopted creating a department of the University to be known as "THE SCHOOL OF COMPARATIVE JURISPRUDENCE AND DIPLOMACY." This School will provide a post-graduate course leading to the degrees of Master of Laws, Doctor of Civil Law, and Master of Diplomacy.

The design of the School is to afford a training in the subjects of higher legal knowledge and the history, science, and practice of Diplomacy. Its courses, therefore, will appeal to the lawyer, to the student of jurisprudence, and to persons who desire to enter the diplomatic and consular service.

States and nations have their commerce and controversies involving the practice of international law and diplomacy. These controversies are peaceably settled through the instrumentalities of diplomatic correspondence and negotiations and boards of arbitration, requiring the services of lawyers and diplomats who are grounded in the knowledge of international law, political history, and the jurisprudence of the great nations. In order to be an international lawyer or a diplomat, one must, in addition to the education which makes him a scholar and a lawyer, have a special knowledge of the higher and broader subjects of law and intercourse between communities, states, and nations. It is the special object and purpose of this Department, established by the Columbian University, to furnish the opportunities for such studies and to fit men for such service.

After the second year the course will be confined to these broader subjects of law and diplomacy.

General Course of Study.

In the ordinance creating this school the general subjects of study designed to occupy the student for two years are,

For the first year :

Comparative Constitutional Law.
International Law.
Conflict of Laws.
Roman Law.
Political History and Science.
Interstate Commerce Law.

For the second year :

History of Diplomacy and Treaties.
Political Geography in its relation to Political History.
Comparative Jurisprudence.
International Trade and Finance.
Practice of Diplomacy.
Boards of International Arbitration and proceedings therein.

Other subjects and special lecture courses will, from time to time, be added upon the recommendation of the Faculty in charge of the School.

Special Courses for 1898-'99.

Heretofore the regular Law School of the University has been conducted on a course covering two years, but by the action of the Board of Trustees this has been extended to three full years.

As many students who have taken the two-years' course desire to take a third year covering some special subjects in practice, two special courses have been provided for 1898-'99 :

the first (A) is intended for those who have taken the degree of Bachelor of Laws in a two-years' course in any law school and who desire to enter for the degree of Master of Laws. The course is as follows :

- (A.) Conflict of Laws. One hour per week, one-half year. Professor Harlan. Text-book, Story on Conflict of Laws.
 Comparative Constitutional Law. One hour per week, one-half year. Professor Harlan.
 International Law. One hour per week, one-half year. Professor Brewer. Text-book, Hall, Woolsey, or Wheaton.
 History of Diplomacy. One hour per week, ten weeks. Professor Foster.
 Political History and Science. One hour per week. The President.
 Interstate Commerce Law. One hour per week, one-half year. Professor Needham.
 Equity Practice and Pleading. One hour per week, one-half year. Professor Van Devanter.
 Common Law Pleading. One hour per week, part of year. Professor Maury (Law School). Text-book, Stephen on Pleading (Tyler).
 Common Law Practice. One hour per week, part of year. Professor Johnson (Law School).
 Practice in the Preparation of Contracts and the Organization of Corporations. One hour per week, one-half year. Professor Needham.

Moot courts, equity and law, will be held in the court-rooms each evening, except Saturday, for the purpose of training the students in the independent investigation of legal questions and in the preparation of pleadings and briefs and the trial and argument of cases.

These courts will be presided over by Professors, and by Lawyers of the Washington bar, who will give special attention and instruction to students upon the subject of procedure and the legal questions involved in the cases.

All students in this course desiring to avail themselves of the moot courts will have that privilege, and the promptness and

quality of their work will be observed by the presiding judge and will be taken into consideration in their final examinations.

Students taking this course and passing satisfactory examinations will receive the degree of Master of Laws. They will also be entitled to take the second year in this School for the degree of Doctor of Civil Law or Master of Diplomacy.

For all other students in this school the following course will be given the first year :

- (B.) History of American and English Law. One hour per week, one-half year. Professor Needham.
- Roman Law. Ten lectures. Professor Howe.
- Constitutional Law. One hour per week. Professor Harlan.
- Conflict of Laws. One hour per week, one-half year. Professor Harlan.
- International Law. One hour per week, one-half year. Professor Brewer.
- Comparative Constitutional Law. One hour per week, one-half year. Professor Harlan.
- Interstate Commerce Law. One hour per week, one-half year. Professor Needham.
- Political History and Science. One hour per week. The President.
- History of Diplomacy. One hour per week, ten weeks, Professor Foster.

Second Year, Beginning October, 1899.

The subdivision of subjects and lectures in the course for the second year of this School will be announced later, but will comprise the general subjects named in the ordinance for that year.

System of Study and Instruction.

By the ordinance creating this School, the Executive Faculty is composed of the President of the University, a Dean, and four Professors, one for each of the following subjects : Inter-

national Law, Diplomacy, Political History and Science, and Comparative Jurisprudence. Each professor will have charge of the subject to which he is assigned, conducting the study by lectures, special courses of reading, and general discussions.

Special lectures will also be offered upon different branches of the general subjects, each of these lectures to be also followed by a discussion conducted by the professor in charge.

At the conclusion of each subject there will be written and oral examinations.

Subjects will be studied historically and comparatively and with a view to arriving at the present state of the law.

Comparative Jurisprudence will be a study of the political structure and constitution of all the great modern states, embracing the constitutional systems of the United States, England, France, Germany, Austro-Hungary, and Italy; the relations of England to her colonial empire; the federal system existing in Canada; the two great systems of jurisprudence which govern the internal relations of these great nations—the Roman or Civil Law and the English Common Law; also a study of the special statutory laws which have a decided bearing upon the exercise of national power and which affect the relations of nations with each other, a special lecturer being selected for each country who is familiar with its jurisprudence.

International Law will be studied with reference to its sources, its rules, the political standard to which it seeks to conform, its modern tendencies, and the tribunals for international arbitration.

The subject of Diplomacy will be studied with reference to the relations existing between nations; international trade, how it is carried on and developed under national protection and treaties; the organization of the diplomatic service, its general powers and the extent of its jurisdiction; diplomatic agents,

their powers and duties; constitution of boards of arbitration and practice before those tribunals; declarations of war; recognition of international boundary lines; rights and recognition of belligerents, and the severance of diplomatic relations. Some of these latter questions are necessarily included in the consideration of international law.

In brief, and in a general way, this is the scope and system of study and instruction in this School.

Facilities.

The University has entered upon the construction of a new building to accommodate its Law Schools, in which there will be three additional lecture-rooms, two court-rooms, and a large library room for the exclusive use of the students of law. Large additions will be made to the Library, and every facility furnished the students for prosecuting their studies.

This building is located on H street and adjoins the present University building, at the corner of Fifteenth and H streets.

The city of Washington furnishes special opportunities for the student. The Supreme Court of the United States is in session from October to May, and on each Monday morning delivers opinions orally, which may be listened to by students, as they are by a large number of the members of the bar, thus keeping them in touch with the latest utterances of the greatest court.

The State Department, with its large library, is located here and will afford facilities to the student in diplomacy.

Congress is in session during the winter, and here the student can see the practical workings of the largest and most important legislative body and listen to the discussion of matters touching interstate and foreign commerce and diplomatic relations.

The great Congressional Library and the Supreme Court Library are also open to the student.

Here one comes in contact with the practical workings of the National Government in all its parts, and can secure the views and advice of practical men in all the great departments.

Many of the lecturers in this School occupy the most important official positions in the gift of the Nation and speak from a practical knowledge of the subjects they teach.

Admission.

All students who have taken the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Laws in The Columbian University or any other university requiring an equal amount of study for the degree, and all others who pass a satisfactory examination before the Faculty of the School, are entitled to admission for the two years' course as candidates for the degree of Master of Diplomacy or the degree of Doctor of Civil Law. Students who have taken the degree of Bachelor of Laws in this or any other university requiring an equal amount of study for this degree will be admitted to the first year of the course as candidates for the degree of Master of Laws.

All students who have taken the degree of Master of Laws in the Law School of this University, or in any other school of equal standing, will receive credit in the School of Comparative Jurisprudence and Diplomacy for any of the subjects included in the curriculum upon which they pass a satisfactory examination, and upon the completion of the remainder of the two years' course they will be entitled to receive the degree of Doctor of Civil Law or Master of Diplomacy.

Tuition Fees.

The tuition fee is eighty dollars for each year, payable monthly or quarterly, at the option of the student, in advance,

except that for the first year, beginning November 15, 1898, all students who have taken the degree of Bachelor of Laws in the two years' course heretofore required for graduation in the Law School of this University, or in any other of equal standing, will be entitled to take the Post-Graduate Course "A" at the tuition fee of fifty dollars, and upon passing satisfactory examinations to receive the degree of Master of Laws.

There are no extra charges in the School, except for diploma.

Students will be required to present tickets showing the payment of the tuition fee before admission to the lectures.

Any person approved by the Dean may attend the lectures and have the benefit of the examinations upon paying the tuition fee, but no person will be entitled to a degree who does not enter in accordance with the requirements named under the head of "Admission."

Announcements of the second year's course will be made in the Catalogue to be issued the forepart of the year 1899.

Special Notice.

To allow time for the completion of the new building, the School will not open until November 15, 1898. After this year instruction in both courses will begin with the Academic Year of the University. Students desiring to take this course should send in their names, state their qualifications and the degrees sought, as early as possible, so that the roll may be made up and assignments made.

For further information address, Secretary of the Schools of Law, The Columbian University, Washington, D. C.

PRESS OF
JUDD & DETWEILER,
WASHINGTON, D. C.

THE COLUMBIAN UNIVERSITY,
WASHINGTON, D. C.

REPORT OF THE TREASURER

FOR THE

FISCAL YEAR ENDING MAY 31, 1899.



WASHINGTON, D. C.

1899.

THE COLUMBIAN UNIVERSITY.

WASHINGTON, D. C.

REPORT OF THE TREASURER

FOR THE

FISCAL YEAR ENDING MAY 31, 1899.



WASHINGTON, D. C.

HDD & DEWEILER, PRINTERS.

1899.

ANNUAL REPORT OF THE TREASURER.

SCHEDULE "A" is a Detailed Statement of Receipts and Disbursements.

" "B," Statement of the Receipts, Disbursements, and Investments of the Scholarship Funds, Corcoran Endowment Fund, and Miscellaneous Investments.

" "C," Liabilities.

" "D," Assessed Valuation of Real Estate for Taxation.

" "E," Table of insurance.

In submitting the annual report for the year ending 1898-'99, the Treasurer imagines that on account of the building operations of the past year the Trustees would expect a rather detailed report of the transactions.

Authority was given the Treasurer to borrow the sum of \$90,000 upon the College property, corner 15th and H streets, of which \$39,802.44 was used to pay for the property at 1527, '29, '31, and 333 H street over and above mortgage of \$50,000, amounting to \$92,802.44.

The balance was used to build the School of Comparative Jurisprudence and Diplomacy, also on H street, near 15th, at a cost of \$34,417.24, pay a note of \$5,000 held by Frick, Fox & Brown, and to pay a note given for Hospital repairs.

The Columbian Law Building, while begun in the year 1897-'98, has been largely paid for and completed in the year 1898-'99. This has been done at a total cost of \$90,106.30, which amount has been provided from the Corcoran Endowment Fund.

Of the 116 rooms in this building, at present there are rented 40 rooms, returning to the University a monthly income of

4
\$787.70. It is believed that in the future 80 or 90 per cent. of these rooms will be rented, bringing the University a net return of at least \$12,000 annually.

The Corcoran Endowment Fund before taken to pay for the Columbian Law Building consisted of securities amounting to \$128,000. Of these fourteen have been sold, aggregating \$71,300, and the proceeds used for paying upon this property. Three deeds of trust in the Corcoran Endowment Fund the University has been obliged to secure by taking possession of the property, namely, No. 1719 S street, at a cost of \$9,118.83; No. 903 M street, at a cost of \$7,910.57, and some vacant ground on Patterson street and N street N. E., at a cost of \$13,354.65. However nine of these lots were sold for \$7,000, leaving the University in possession of seventeen lots, at a cost to the University of \$46,354.65.

These three properties, it is believed, need not be sold for less than the face of the trust, and in one instance, at least, will bring \$2,000 or \$3,000 more.

The vacant lots also will bring the University about 25 cents, and we think will soon reach a market of 40 cents.

All of which is respectfully submitted.

S. W. Woodward,

Treasurer

WASHINGTON, D. C., May 31, 1899.

SCHEDULE "A."

Detailed Statement of Receipts and Disbursements.

ACADEMIC DEPARTMENT

RECEIPTS.

Tuition fees,	\$5,000 50
Diploma fees,	170 00
Chemical laboratory fees,	200 00
Matriculation fees,	360 00
Arrears of tuition,	553 34
Contributions for Sterrett medal,	4 00
Contributions for English library,	5 00
	<hr/> \$6,378 53

DISBURSEMENTS.

Salaries:

A. J. Huntington, in full to May 31, 1899, . . .	\$2,300 00
J. H. Gore, in full to May 31, 1899, . . .	1,840 00
H. L. Hodgkins, in full to May 31, 1899, . . .	1,800 00
L. D. Lodge, in full to May 31, 1899, . . .	1,800 00
J. Macbride Sterrett, in full to May 31, 1899, . . .	1,800 00
Charles E. Munroe, in full to May 31, 1899, . . .	1,800 00
H. Schoenfeld, in full to May 31, 1899, . . .	1,565 32
E. B. Pollard, in full to May 31, 1899, . . .	2,033 32
M. M. Ramsey, in full to May 31, 1899, . . .	1,563 32
C. C. Swisher, in full to May 31, 1899, . . .	1,563 32
W. A. Wilbur, in full to May 31, 1899, . . .	1,800 00
C. W. Downing, in full to May 31, 1899, . . .	1,200 00
	<hr/> \$20,973 28

Advertising:

American Baptist Home Mission Society, . . .	\$12 00
The Columbiad,	15 00

The Evening Star	\$15 57	
The Washington Post	30 20	
The Washington Times	35 08	
		\$147 85

Chemical Laboratory

Bullock and Crenshaw	\$128 55	
Z. P. Gilman	9 35	
Merck & Co.	29 97	167 87
Commencement expenses, 1897-'98	\$131 82	
Commencement expenses, 1898-'99	42 60	173 82
Lighting		108 43
Wm. Ballantyne & Sons, English library	\$5 50	
C. C. Swisher, History library	106 00	111 50

Printing:

Hartman & Gedlick	\$100 96	
W. F. Roberts	29 75	
Gibson Bros.	20 81	
Judd & Detweiler	116 57	268 09

Stationery:

Wm. Ballantyne & Sons	\$14 50	
E. A. Wright	31 20	
J. C. Parker	90	46 60
Sanders & Stayman, tuning piano		2 00
Murray Lyceum Bureau, illustrating lecture		5 00
W. W. Glass, tuition returned		25 00
Paul Constan Scientific School, account N. Underwood and W. S. Manning		23 75
Carl Petersen, medals, 1897-'98		58 00
Harris & Shaffer, medals, 1898-'99		40 00
		\$22,151 19

CORCORAN SCIENTIFIC SCHOOL

RECEIPTS

Tuition fees.	\$12,104.29
Chemical Laboratory fees.	216.84
Botanical Laboratory fees.	8.25
Mineralogical Laboratory fees.	16.25
Assay Laboratory fees.	86.67
Physical Laboratory fees.	54.00
Deposits for breakage.	90.40
Arrears of tuition.	284.62
Contribution Mechanical Engineering	501.00
Diplomas.	250.00
	\$14,216.02

DISBURSEMENTS

Salaries

H. L. Hodgkins, in full to May 31, 1899.	\$1,941.78
Chas. E. Munroe	1,184.54
T. N. Gill.	5.19
H. Schoenfeld	514.43
H. King	149.40
G. P. Merrill.	327.13
A. F. Craven	83.75
E. Freephar	164.54
E. A. Wolff, Jr.	631.19
E. Lamson Scribner.	82.62
J. C. Hornblower	93.14
E. S. Farwell	27.03
E. B. Portland	63.46
F. Freyhold.	646.15
M. M. Ramsey	1,105.86
W. A. Widam	873.50
A. R. Spofford	206.14
A. M. Hühker	179.25
H. L. Rice	134.82
W. F. Dales	200.62

T. J. D. Fuller	\$34 59	
E. L. Thurston	232 37	
H. Presnell	206 08	
W. P. Cutter	206 08	
G. Ayres	439 65	
L. Amateis	180 75	
A. Klakring	3 75	
E. H. Meyer	87 54	
R. Sayer	26 31	
		\$10 023 44

Advertising:

The Evening Star	\$17 39	
The Washington Post	15 00	
The Washington Times	21 60	
		53 99

Assay Laboratory:

Emmer & Amend	91 67	
J. Maury Dove	33 60	
J. B. Lambie	1 74	
		130 01

Minerology Laboratory

Emmer & Amend	44 16	
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Chemical Laboratory:

J. A. Webb & Sons	\$36 42	
F. E. Strickler	18 00	
Baker & Co	53 44	
Baker & Adamson Co.	81 85	
Z. D. Gilman	80 67	
E. Kubel	20 00	
C. C. Carter	1 00	
Haas & Sargeant	2 25	
Emmer & Amend	20 00	
Merck & Co.	11 79	
M. W. Beveridge	2 38	
Bullock & Crenshaw	101 33	
W. S. Thompson	85	
Claffin Optical Co	3 00	
		632 98

Physical Laboratory

J. G. Biddle	85.73	
F. A. Wolff, Jr.	1.00	
W. J. Bolin	3.50	
Forest City Electric Co.	9.38	
E. J. Lewis	2.00	
		851.61

Deposits returned

D. H. Blakelock	82.57	
M. M. Brewer	4.25	
A. M. Doyle	6.67	
E. B. Farnestock	18.69	
A. Pollok	6.74	
J. L. Ulmer	5.85	
W. E. Hillyer	5.00	
F. H. Thatcher	6.74	
		56.51

Commencement expenses

Concoran share for 1897-98	885.76	
Concoran share for 1898-99	48.00	
		131.76
Expressage		103.31
Fuel		170.57
Lighting		193.02

Library science

Library Bureau	819.38	
Wyckoff, Seamans & Benedict	70.00	
Smith-Premier Co.	75.00	
		161.38

Mechanical engineering

W. H. Lowdermilk	843.95	
J. W. Raterle	31.50	
Crosby Steam Gauge and Valve Co.	86.75	
Moravian Book Concern	4.15	
J. L. Robertson & Sons	84.95	
G. Ayres	28.90	
		280.20
Postage		19.60

Printing:

Hartman & Gielick	\$189 15
W. F. Roberts	32 25
Gibson Bros.	9 75
Judd & Detweiler	197 63

\$428 78

Repairs

Royce & Marcum	\$8 45
M. du Perow	1 80
S. S. Shedd	35 88

46 13

Stationery

Wm. Ballantyne & Sons	\$8 50
E. A. Wright	18 65

27 15

Sundries

G. F. Muth & Co	\$2 43
W. A. Boyd	5 00
Wm. Ballantyne & Sons	15 00

22 43

B. G. Wasdon, tuition refunded. 25 00

\$12,705 03

GRADUATE SCHOOL

RECEIPTS.

Tuition fees	\$1,731 25
Matriculation fees	280 00
Chemical laboratory fees	106 25
Botany laboratory fees	2 00
Mineralogy laboratory fees	10 00
Deposits for breakage	41 25
Diplomas	206 25
Arrears of tuition	144 25

\$2,518 25

DISBURSEMENTS

Salaries

Charles F. Munroe	\$188.29	
J. H. Crane	39.37	
L. D. Lodge	5.62	
D. K. Shute	22.50	
T. N. Gail	22.50	
H. L. Rice	33.75	
E. A. de Schweinitz	16.87	
G. P. Merrill	79.49	
H. L. Hodgkins	50.62	
F. A. Wood, Jr.	142.49	
F. Lumsden-Seribner	46.87	
M. M. Ramsey	22.50	
A. F. Craven	11.25	
D. A. Usina	38.75	
C. C. Swisher	11.25	
F. Freyhold	135.00	
W. A. Wilbur	56.25	
E. B. Pollard	56.25	
H. W. Wiley	21.12	
J. M. Sterrett	33.75	
C. W. Needham	22.50	
H. Schoenfeld	28.12	
	<hr/>	\$1,379.81

Advertising

The Evening Star	\$16.05	
The Washington Post	15.00	
The Washington Times	25.20	
	<hr/>	56.25

Commencement expenses

Share for 1897-98	\$171.04	
Share for 1898-99	44.10	
	<hr/>	215.14

Deposits returned

C. R. Ely	\$7.65	
T. A. Witherspoon	22.01	
	<hr/>	29.66

Printing

Hartman & Chidick	\$110 58	
W. F. Roberts	131 68	
		\$242 26
Chas. Rittershofer, repairs to locks		1 75

Stationery

Gibson Bros.	\$7 25	
J. L. Kervand	19 20	
E. A. Wright	16 40	
		36 85

Sundries

D. K. Tuttle, expenses jury of experts	\$12 00	
Budd & Co., lunch, jury of experts	15 00	
W. A. Boyd, City Directory	5 00	
		32 00
		<u>\$1,996 72</u>

LAW SCHOOL.

Receipts

Tuition

Regular	\$15,586 00	
Patent	940 00	
Arrears	601 75	
		\$17,127 75
Diplomas		1,154 00
Law prizes		125 00
Contributions for Law Library		353 00
		<u>\$18,759 75</u>

DISBURSEMENTS.

Salaries

Walter S. Cox, in full to May 31, 1899	\$3,000 00
John M. Harlan, in full to May 31, 1899	3,000 00
D. J. Brewer, in full to May 31, 1899	2,000 00

Wm. A. Mearns, in full to May 31, 1899	\$1,063 00
A. C. Bradley, in full to May 31, 1899	1,000 00
Wm. G. Johnson, in full to May 31, 1899	200 00
L. D. Lodge, in full to May 31, 1899	500 00
M. Church, in full to May 31, 1899	600 00
Wm. F. Mattingly, in full to May 31, 1899	200 00
Chas. W. Needham	2,000 00
Chas. R. Dean	371 25

 \$17,847 31

Advertising

The Evening Star	\$70 25
Law Students' Helper	18 00
Central Law Journal	16 50
Washington Post	70 50
Washington Times	25 20
Law Reporter Co.	15 00
Omaha Mercury	12 00

 236 40

Commencement expenses, 1897-98

\$1,078 08

Commencement expenses, 1898-99

175 50

 Expressage 1,253 58

Lighting 1 25

 183 78

Library

John Byrne & Co.	86 00
Wm. H. Lowmilk & Co.	204 45
Bancroft Whitney Co.	28 00
W. H. Morrison's Son.	3 25
West Publishing Co.	167 00
Edward Thompson Co.	24 00
Washington Law Book Co.	141 00
Boston Book Co.	31 40
W. F. Roberts	2 00
G. Maier	6 50
Estate of Enoch Totten	371 00
Central Law Journal Co.	4 80
Chas. R. Dean	64 80
Remick & Scindling	11 00

 1,845 20

Prizes

I. P. Taylor, Parker, 1897-'98	\$100.00	
J. W. Welsh, Denton, 1897-'98	50.00	
W. A. Holden, 1st Essay, 1897-'98	40.00	
H. B. Arnold, 2d Essay, 1897-'98	30.00	
W. M. Holland, 3d Essay, 1897-'98	20.00	
E. E. Denison, L. D. Lodge, 1897-'98	25.00	
Prizes to be awarded in 1898-'99	190.00	
		155.00
Postage		1.50

Printing

Hartman & Cudick	\$84.20	
Joad & Detweiler	131.89	
W. T. Roberts	52.93	
Gibson Bros.	25.92	
Byron S. Adams	117.70	
		115.61

Stationery

Easton & Rupp	\$60.75	
E. A. Wright	6.63	
		67.38
W. A. Boyd, City Directory		5.00
J. Baumgarten, rubber stamps		3.75
Louis Weber, music		8.50
Charles Rarsener, refreshments		100.00
Chas. R. Dean, sundries		3.55
F. P. Evans, tuition returned		10.00
Three-fourths expenses Law Lecture Hall, 1898-'99		665.59
		\$223.10 20

SCHOOL OF COMPARATIVE JURISPRUDENCE AND DIPLOMACY

RECEIPTS

Tuition fees	\$3,450 00
Diploma fees	50 00
Contribution for prize	50 00
Sale of President's book	60 00
	<hr/> 8,600 00
Contribution from John D. Rockefeller, Esq., to be used for general expenses in 1899-1900	2,500 00
	<hr/> \$11,100 00

DISBURSEMENTS

Salaries

Chas. W. Newhall, in full to May 31, 1899	\$500 00
John M. Harten, in full to May 31, 1899	1,000 00
John W. Foster, in full to May 31, 1899	500 00
Wm. Wirt Howe, in full to May 31, 1899	500 00
Willis Van Devanter, in full to May 31, 1899	500 00
Chas. R. Dean, in full to May 31, 1899	371 25
	<hr/> \$3,371 25

Advertising

Chicago Inter-Ocean	\$10 00
The Evening Star	67 00
American Lawyer	8 00
Chicago Legal News	9 38
American Law Review	10 00
Washington Post	67 20
Washington Times	25 20
	<hr/> 196 78
Commencement expenses, 1898-99	81 00
Postage	67 50
Britton Prize for 1898-99	90 00

Printing	
Judd & Detweiler	\$4.13
W. F. Roberts	6.25
Gibson Bros.	9.42
	<hr/> 198.98
Stationery	
E. A. Wright	\$4.05
Easton & Rupp	2.00
W. H. Cooper	7.85
Woodward & Lothrop	7.05
	<hr/> 30.95
Sundries	
M. G. Copenhagen, decorations	\$5.00
F. W. Roegner, decorations	10.00
Leons Weber, music	8.50
W. B. Moses & Sons	18.00
Woodward & Lothrop	49.10
Charles Rauscher	100.00
E. F. Gibson	3.50
W. A. Copenhagen	2.00
	<hr/> 195.10
One-fourth expenses Law Lecture Hall	222.20
	<hr/> <hr/> \$4,711.36

MEDICAL SCHOOL.

RECEIPTS

Debits balance from 1897-98	\$1,096.70
Tuition fees	14,270.50
Forty-sixth fees Dental School	2,408.01
Payment by Dental School account janitor service	180.00
	<hr/> \$18,755.21

DISBURSEMENTS

Salaries	
E. A. de Schweinitz	\$1,800.48
J. Ford Thompson	1,000.48

W. W. Johnson	\$1,369 38
A. F. A. King	1,369 37
D. W. Prentiss	1,369 37
D. K. Shute	1,369 37
W. P. Carr	1,369 37
H. C. Yarrow	50 00
H. L. E. Johnson	50 00
T. E. McArdle	50 00
Sterling Radin	870 00
C. W. Richardson	85 00
E. L. Tompkins	50 00
A. R. Shands	50 00
J. Van Rensselaer	50 00
Walter Reed	500 00
W. F. R. Phillips	50 00
G. N. Acker	40 00
G. W. Cook	120 00
W. S. Washburn	200 00
E. G. Seibert	75 00
A. L. Lawrence	75 00
J. B. Nichols	50 00
James Carroll	275 00
F. K. Cameron	75 00
E. P. Morgan	75 00
B. F. Tiefenthaler	175 00
Walter Homesty	255 00
Robert Hamilton	210 00
	<hr/> 13,475 62
Contribution to University Hospital	1,000 00
Disbursements as per Dean's voucher	1,862 94
Medical share of Commencement expenses, 1897-98	116 16
Advertising	381 52
Chemicals and apparatus	795 29
Stationery	12 77
Insurance	60 02
Telephone	70 00
Printing	269 07
Fuel	94 05
Water rent	11 89

Lighting	\$185 25
Anatomical specimens	200 00
Sundries	181 63
	<u>\$18,716 21</u>

DENTAL SCHOOL.

RECEIPTS.

Dean's balance from 1897-98	\$449 00
Tuition	4,691 70
Receipts from Infirmary	837 65
	<u>\$5,978 44</u>

DISBURSEMENTS.

Salaries:

J. H. Lewis	\$802 00
H. C. Thompson	602 00
Sterling Rutlin	180 00
W. H. Trail	200 00
R. E. L. Hackney	200 00
James Carroll	50 00
B. F. Tiefenthaler	50 00
	<u>\$2,084 00</u>
Infirmary materials	642 85
Payment to Medical School, account of janitor	180 00
Disbursements as per Dean's voucher	441 51
Payment to Medical School, four sixths net fees	2,408 01
Dental share Commencement expenses, 1897-98	72 60
Advertising	56 10
Printing	115 37
Gowns	6 00
	<u>\$5,978 44</u>

SUMMER SCHOOL

RECEIPTS.

Tuition fees	\$850 00
Chemical Laboratory fees	25 00
	<hr/> \$875 00

DISBURSEMENTS.

Salaries

M. M. Ramsey	\$219 71
F. A. Wolff, Jr.	6 09
E. K. Broadus	71 23
W. F. Dales	121 87
P. Fireman	76 43
E. A. Muir	10 60
E. H. Jackson	93 75
A. E. Hint	41 25
M. W. Twitchell	11 36
E. J. Wilczynski	36 67
W. E. Priest	4 24
W. L. Lewis	10 00
	<hr/> \$708 60
The Evening Star, advertising	8 75
Baker & Adamson Co., chemicals	3 09
Merek & Co., chemicals	15 28
Lighting	9 21
Postage	19 00
Hartman & Cadick, printing	80 31
W. F. Roberts, printing	6 00
Judd & Detweiler, printing	89 54
E. A. Wright, stationery	8 75
Anna Kelton, tuition refunded	5 00
	<hr/> \$963 53

HOSPITAL

EQUIPMENT ACCOUNT.

RECEIPTS

Contribution Columbian Women.....	\$2,355 01
Contribution Board of Lady Managers.....	800 00
Contribution Medical School.....	500 00
	<u>\$3,655 01</u>

DISBURSEMENTS

H. I. Gregory.....	\$112 50
H. Carter.....	17 70
Woodward & Lothrop.....	430 39
P. H. Minnix.....	58 00
Hobson & Co.....	41 75
Freight.....	10 06
W. H. Hoeke.....	1,155 25
Belt & Dyer.....	6 00
Dyer & Compton.....	8 00
W. B. Moses & Sons.....	16 65
U. S. Electric Lighting Co.....	16 80
C. C. Carter.....	14 00
G. W. Knox Express Co.....	5 39
O. E. Weissner.....	118 00
E. Morrison Paper Co.....	25 55
G. F. McAvoy.....	5 00
G. E. Howard.....	46 50
E. F. Brooks Co.....	12 06
P. H. Minnix.....	38 85
Columbian University.....	6 96
Joseph Mathy.....	10 00
B. S. Adams.....	16 00
C. R. Edmonston.....	118 58
J. D. Milans.....	21 95
Harris & Shafer Co.....	24 60
W. H. McKnew.....	22 37

M. W. Beveridge	\$138 91
A. J. McKee & Co	2 65
Henry Evans	6 85
A. G. Odell	1 15
M. M. Tremmex	6 00
J. Baumgarten & Sons	6 87
J. F. Manning	12 00
S. J. Spaulding	118 01
Rudolph, West & Co	4 96
Emmet & Amend	14 50
Whitell, Tatum & Co	8 25
Kiry Schoerer Co	113 67
Goodyear Rubber Co	118 68
United Publishing Co	3 25
Z. D. Colman	102 59
	<hr/> \$3,407 89

EXPENSE ACCOUNT

Receipts

Mary N. Austin	\$0 00
E. E. Reischer	5 00
Contributions through E. A. de Schwe-	
nitz	59 00
W. A. Henderson	5 00
G. E. Howard	4 50
P. H. Munix	5 00
C. Thompson	5 00
Receipts from patients	2,410 94
Annual contribution Medical School	1,000 00
	<hr/> \$3,470 44

Distributions

Salaries

A. G. Odell, Superintendent	\$449 50
Nurses	427 45
Janitor	119 90
Cook	81 00
Maid	165 00
Laundress	69 00
Orderly	30 66

Cartman	\$24 00
Reimburse. sent to Mrs. Hoovey for salaries paid	42 86
Reimbursement to Miss Odell for salaries paid	107 56
	<hr/>
Household expenses	\$1,413 72
Table supplies	1,210 38
Dispensary supplies	1,163 39
	215 80
	<hr/>
	\$4,003 29

GENERAL EXPENSE ACCOUNT.

Balance on hand per last report, May 31, 1898	\$126 68
Includes balances from all sets 1897	

RECEIPTS.

Borrowed from the National Metropolitan Bank, June 29, 1898, account hospital reports	\$2,000 00
Borrowed from the National Metropolitan Bank, June 30, 1898, account Wild- combe purchase	4,670 50
Borrowed from the Mutual Benefit Life Association of Newark, August 1, 1898, to pay Cent. note, erect Law Lecture Hall, etc	90,000 00
Borrowed from the National Metropolitan Bank, December 2, 1898, for insurance deposit for Medical School and Colum- bian buildings	1,800 00
Borrowed from the National Metropolitan Bank, January 16, 1899, for insurance de- posit on Law Lecture Hall	500 00
Borrowed from the National Metropolitan Bank, February 1, 1899, to pay general expenses	13,400 00
	<hr/>
	112,460 50
Lacy E. Hayden, two notes paid	500 00
Payments to guarantee fund	8,140 53

Interest Corcoran Endowment Fund notes	\$2,821 57	
Interest students' tuition notes	61 82	
Interest Litch fund	186 13	
Interest Kendal fund	182 50	
Interest Mary Lowell Stone fund	180 00	
		\$7,632 01
Balance from sinking fund Medical Faculty note		501 01
Balance from Elton fund never entered		50 61
Dividends on Pennsylvania Telephone Co. stock	20 00	
Dividends on Quins Diamond Bank stock	30 00	
		70 00
Rents, Lucy E. Knight house 907 M St	\$300 75	
Rents, Coburn Building	2,173 70	
Rents, lots	500 00	
Rents, Powell House	1,800 00	
Rents, Cutler House	500 50	
Rents, Widdicombe stables	3,600 00	
University Hall	45 00	
		8,890 35
Contributions for Athletic Park	60 04	
Return of rent as per agreement	60 00	
		800 00
Sale of old material at Hospital		20 00
		\$1,620 35

DISBURSEMENTS.

Paid note S. T. Crut, account Widdicombe purchase	\$25,000 00
Paid note Fitch, Fox & Brown, account general expenses	5,000 00
Paid notes National Metropolitan Bank account Widdicombe purchase	14,892 44
Paid notes National Metropolitan Bank, account Hospital repairs	5,000 00
	\$49,892 44

Salaries

B. I. Whitman, President, in full to May 31, 1899	\$7,000 00
S. W. Woodward, Treasurer, in full to May 31, 1899	300 00
C. W. Holmes, Registrar, in full to May 31, 1899	900 00
F. M. Allen, stenographer, in full to May 31, 1899	120 00
W. L. Lewis, janitor, in full to May 31, 1899	340 00
R. T. Harris, janitor, in full to May 31, 1899	330 00
E. Toliver, janitor, in full to May 31, 1899	162 14
W. Hughes, mechanic, in full to May 31, 1899	92 50
H. Randolph, fireman, in full to May 31, 1899	65 83
G. I. Raybold, clerk, in full to May 31, 1899	115 00
F. A. Barbours, clerk, in full to May 31, 1899	40 00
	<hr/> \$7,985 46

Advertising:

The Evening Star	\$38 00
National Publishing Co	25 00
Graduate Hand-book	12 50
	<hr/> 75 50

Athletic Grounds

W. C. Duval, agent, rent 6 months ending May 31, 1899	\$500 00
T. W. Smith, lumber for fence and stand	324 20
J. W. Brasiers, building fence and stand	186 00
Wm. Dodson, cleaning and whitewashing	8 00
Haas & Sargeant, painting signs	6 00
James B. Lambie, tools for park	8 70
Wm. H. Smith, cleaning snow	2 00
Frank Talbert, wages as janitor	109 00
	<hr/> 1,144 90

Burgdorf lots

Chas. R. Dean, notary fees	\$0 75	
Columbian Real Estate Title Co., continuation of title, &c	35 65	56 40
Commencement expenses, 1897-'98.	\$6 13	
Commencement expenses, 1898-'99	4 80	10 93

Columbian Building—salaries

J. N. Alexander, janitor, in full to May 31, 1899.	\$535 00	
Columbus King, cleaner, in full to May 31, 1899.	170 00	
Joshua Brown, fireman, in full to April 30, 1899	128 00	
Chas. Fadsley, watchman, in full to May 31, 1899	156 94	
Frances Thomas, cleaner, in full to May 31, 1899.	65 05	
Wm. Hunter, elevator man, in full to March 1, 1899	22 50	
Frederick Davis, elevator man, in full to May 9, 1899	64 37	
J. E. Courtney, elevator man, in full to May 31, 1899	14 19	
R. A. Boswell, elevator man, in full to May 31, 1899	20 00	
C. Armistead, cleaner, in full to May 31, 1899.	25 00	
	<hr/>	\$1,201 05
Byron S. Adams, printing	14 00	
Washington Gaslight Co., making street connections	19 50	
Potomac Electric Power Co., lighting and motors	281 44	
Boogher Boiler Compound Co., boiler compound	20 38	
Yellott & Clephane, casualty insurance.	84 50	
National Metropolitan Bank, interest on discounts.	731 11	

Peter Wesley, hauling ashes	\$4 50
J. P. Agnew, fuel	162 15
Woodward & Lothrop, janitors' supplies	135 06
Rudolph, West & Co., painters' supplies	3 78
Thomas Somerville, janitors' supplies	4 79
Forsberg & Murray, janitors' supplies	1 25
J. Maury Dove, fuel	79 00
Kearby & Mattison Co., covering pipes	3 44
Collector of taxes, taxes ending June 30, 1899	351 04
Water rent	13 86
J. B. Wimer, bill for commissions, repairs, lettering, internal revenue stamps, etc.	126 45
	<hr/> \$3,136 67

Cutler House

Taxes in full to June 30, 1899	\$437 62
Water rent	52 35
Special assessment	46 36
S. J. Sparring, plumbing	7 00
Colburn Bros., granite sidewalk	22 50
	<hr/> 465 83
C. W. Holmes, reimbursement for expressage	74 61
Pitch Prize, 1897 '98—A. I. Doyle	50 00
C. C. Swisher, two cases, History library	15 00
C. G. Sloan, one case, Greek library	5 00
Woodruff File Holder Co., file case	12 00
M. F. Hobson, sign for Registrar	1 50
Haas & Sargeant, signs for deans	6 00
U. S. Electric Lighting Co., lamps	12 50
R. Hall, repairing chairs, English room	5 00
M. G. Copeland & Co., awnings	14 00
J. Maury Dove, fuel	170 57

Hospital repairs

John McGregor, balance as per contract	\$1,061 00
Hornblower & Marshall, balance for serv- ices as architect	256 60
Thomas Hughes, extra work	51 20
Royce & Mearns, electrical work	98 50
J. R. Gallovy, bed work	7 50
Otis Bros. & Co., on account elevator	740 60
	<hr/> 5 478 20

Great Falls Ice Co	63 25
Internal-revenue stamps	89 68

Insurance deposits

Tyler & Rutherford, insuring \$17,000, Med- ical School	895 00
Tyler & Rutherford, insuring \$50,000, Co- lumbian Building	1,250 00
Tyler & Rutherford, insuring \$20,000, Law Lecture Hall	500 00
	2,345 00

Insurance

E. H. Smith & Sons, insuring \$10,000, Widdicombe	\$110 00
Tyler & Rutherford, insuring \$5,000, pho- tories	75 00
	185 00

Interest

National Metropolitan Bank	\$661 67
Fitch, Fox & Brown	150 00
	761 67

Janitor's supplies and cleaning

R. H. Wimsatt, hauling ashes	\$11 00
C. C. Bryan, supplies	12 24
J. B. Lambie, supplies	25 74
M. R. Thorp, cleaning carpets	10 00
Woodward & Lathrop, supplies	27 58
Peter Wesley, hauling ashes	7 25
	93 81

Scholarships

K. L. Yancey, Mary Lowell Stone	\$100 00
L. I. Doyle, Carter	50 00
G. L. Warner, Carter	50 00
R. B. Hayes, Carter	50 00
	250 00

Lucy E. Knight House

Recorder of deeds	\$1 50
J. B. Winner, commissions	15 00
J. B. Winner, insurance	12 50
J. B. Clarke, repairs	10 63
D. S. Stansbury, repairs	24 95
	64 58

Martin House:

Chas. R. Dean, notary.....	\$0 75	
Columbia Title Insurance Co., examining title	35 65	
R. E. Sullivan, insurance.....	10 00	
J. B. Wimer, key, etc.....	1 50	
		\$47 90

Powell House:

J. Petsch	\$9 65	
Taxes, one and a half years, ending June 30, 1899,	456 52	
		466 17
Lighting.....	80 11	
Tyler & Rutherford, commission on \$90,000 loan	831 75	
Columbia Title Ins. Co., examining title, deed, etc.	131 10	
President's expenses	187 35	
Postage.....	450 00	

Printing:

Hartman & Cadick.....	\$113 85	
G. Maier	4 00	
Judd & Detweiler	216 21	
W. F. Roberts	23 50	
		357 56

Repairs:

A. J. Scott	\$45 00	
Coomes & Co.	15 00	
Zellers & Co.	54 30	
W. H. Wilkerson	5 00	
Woodward & Lothrop.....	36 95	
Dodson & Hodson.....	36 00	
Belt & Dyer	3 85	
Wyckoff, Seamans & Benedict.....	2 00	
S. S. Shedd	1 25	
C. A. Muddiman & Co.	1 40	
W. B. Morgan & Co.	111 50	
J. Brown	3 00	
C. A. Pestell	2 40	
F. H. Youngs	6 00	
G. E. McAvoy	3 75	
John McGregor	153 09	
		450 49

Stationery

W. H. Cooper	\$12 85
Wm. Ballantyne & Sons	2 07
E. A. Wright	2 98
Easton & Rupp	42 06
Jim. C. Parker	2 65

\$220 61

Taxes

Personal, one and a half years, to June 30, 1899	\$36 00
Lots, one and a half years, to June 30, 1899	646 73
	<hr/> 682 73
Water rent, University Hall	39 71

Sundries

Talmadge & Willson, electrical work	\$110 00
Shorcham Hotel, lunch for trustees	12 00
Royce & Marean, electrical work	15 25
Hartman & Cadick, envelopes for catalogues	35 50
Instantaneous Fire Alarm Co.	10 00
Merchants' Parcel Delivery Co., delivering catalogues	32 45
J. Baumgarten, rubber stamps	5 38
B. L. Whitman, office supplies	5 66
American Surety Co., bond for Treasurer and Registrar	62 50
Merchants' Parcel Delivery Co., moving safes	10 00
Hornblower & Marshall, surveying line	6 00
Anne & Thomas, firescape	250 00
Boyd's Directory Co., City Directories	10 00
Wyckoff, Seaman & Benedict, repairs to typewriters	2 00
John McGregor, new boiler-house, etc.	\$34 97
J. B. Wimer, certificates of title	10 80
G. W. Raybold, delivering catalogues	30 73
Chesapeake and Potomac Telephone Co., telephone	116 61
	<hr/> 1,579 85

Widdowcombe stables

Provident Life and Trust Co., interest	\$2,650 00
Susan T. Crut, interest	813 75
National Metropolitan Bank, interest	174 88
Mutual Life Insurance Co., interest	720 00
S. H. Edmonston, repairs	158 80
Taxes, one and a half years, to June 30, 1899	574 55
	<hr/> \$5,090 98

Construction Law Lecture Hall

John McGregor	\$27,940 30
Hornblower & Marshall	1,500 00
Wyckoff, Seamans & Benedict	102 00
W. B. Moses & Sons	656 50
Grand Rapids School Furniture Co.	986 88
Knox Express Co.	6 00
Washington Gaslight Co.	26 50
F. Dickson	2 50
Royce & Mearns	585 40
Haas & Sergeant	40 00
G. L. Terappe	159 85
C. Schneider	1 00
J. H. Corning	85 00
W. L. Lewis	10 00
Zellers & Co.	1,400 88
Easton & Rupp	42 15
American Security and Trust Co.	3 50
V. G. Fisher	5 50
C. A. Murchman & Co.	367 65
A. T. Joss	121 40
Woodward & Lothrop	375 85
Coomes & Co.	45 00
S. S. Shield & Bro.	15 00
	<hr/> \$41,417 24

\$117,937 75

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

Proverbs and Proterosemantics in Lyle Schallert's "The Poet's Poem" 159

[Faint vertical text or markings]

100

The page contains musical notation on staves, with some text written below the staves. The notation includes notes, rests, and other musical symbols. The text appears to be in a historical or foreign script, possibly Latin or Italian. The page is numbered 100 at the bottom left.

Respiration—Continued.

Respiration rate per hour per gram of dry weight	No. of specimens	20-25°C.		25-30°C.		30-35°C.		35-40°C.		40-45°C.		45-50°C.		50-55°C.		55-60°C.		60-65°C.		65-70°C.		70-75°C.		75-80°C.		80-85°C.		85-90°C.		90-95°C.		95-100°C.		100-105°C.		105-110°C.		110-115°C.		115-120°C.		120-125°C.		125-130°C.		130-135°C.		135-140°C.		140-145°C.		145-150°C.		150-155°C.		155-160°C.		160-165°C.		165-170°C.		170-175°C.		175-180°C.		180-185°C.		185-190°C.		190-195°C.		195-200°C.		200-205°C.		205-210°C.		210-215°C.		215-220°C.		220-225°C.		225-230°C.		230-235°C.		235-240°C.		240-245°C.		245-250°C.		250-255°C.		255-260°C.		260-265°C.		265-270°C.		270-275°C.		275-280°C.		280-285°C.		285-290°C.		290-295°C.		295-300°C.		300-305°C.		305-310°C.		310-315°C.		315-320°C.		320-325°C.		325-330°C.		330-335°C.		335-340°C.		340-345°C.		345-350°C.		350-355°C.		355-360°C.		360-365°C.		365-370°C.		370-375°C.		375-380°C.		380-385°C.		385-390°C.		390-395°C.		395-400°C.		400-405°C.		405-410°C.		410-415°C.		415-420°C.		420-425°C.		425-430°C.		430-435°C.		435-440°C.		440-445°C.		445-450°C.		450-455°C.		455-460°C.		460-465°C.		465-470°C.		470-475°C.		475-480°C.		480-485°C.		485-490°C.		490-495°C.		495-500°C.		500-505°C.		505-510°C.		510-515°C.		515-520°C.		520-525°C.		525-530°C.		530-535°C.		535-540°C.		540-545°C.		545-550°C.		550-555°C.		555-560°C.		560-565°C.		565-570°C.		570-575°C.		575-580°C.		580-585°C.		585-590°C.		590-595°C.		595-600°C.		600-605°C.		605-610°C.		610-615°C.		615-620°C.		620-625°C.		625-630°C.		630-635°C.		635-640°C.		640-645°C.		645-650°C.		650-655°C.		655-660°C.		660-665°C.		665-670°C.		670-675°C.		675-680°C.		680-685°C.		685-690°C.		690-695°C.		695-700°C.		700-705°C.		705-710°C.		710-715°C.		715-720°C.		720-725°C.		725-730°C.		730-735°C.		735-740°C.		740-745°C.		745-750°C.		750-755°C.		755-760°C.		760-765°C.		765-770°C.		770-775°C.		775-780°C.		780-785°C.		785-790°C.		790-795°C.		795-800°C.		800-805°C.		805-810°C.		810-815°C.		815-820°C.		820-825°C.		825-830°C.		830-835°C.		835-840°C.		840-845°C.		845-850°C.		850-855°C.		855-860°C.		860-865°C.		865-870°C.		870-875°C.		875-880°C.		880-885°C.		885-890°C.		890-895°C.		895-900°C.		900-905°C.		905-910°C.		910-915°C.		915-920°C.		920-925°C.		925-930°C.		930-935°C.		935-940°C.		940-945°C.		945-950°C.		950-955°C.		955-960°C.		960-965°C.		965-970°C.		970-975°C.		975-980°C.		980-985°C.		985-990°C.		990-995°C.		995-1000°C.		1000-1005°C.		1005-1010°C.		1010-1015°C.		1015-1020°C.		1020-1025°C.		1025-1030°C.		1030-1035°C.		1035-1040°C.		1040-1045°C.		1045-1050°C.		1050-1055°C.		1055-1060°C.		1060-1065°C.		1065-1070°C.		1070-1075°C.		1075-1080°C.		1080-1085°C.		1085-1090°C.		1090-1095°C.		1095-1100°C.		1100-1105°C.		1105-1110°C.		1110-1115°C.		1115-1120°C.		1120-1125°C.		1125-1130°C.		1130-1135°C.		1135-1140°C.		1140-1145°C.		1145-1150°C.		1150-1155°C.		1155-1160°C.		1160-1165°C.		1165-1170°C.		1170-1175°C.		1175-1180°C.		1180-1185°C.		1185-1190°C.		1190-1195°C.		1195-1200°C.		1200-1205°C.		1205-1210°C.		1210-1215°C.		1215-1220°C.		1220-1225°C.		1225-1230°C.		1230-1235°C.		1235-1240°C.		1240-1245°C.		1245-1250°C.		1250-1255°C.		1255-1260°C.		1260-1265°C.		1265-1270°C.		1270-1275°C.		1275-1280°C.		1280-1285°C.		1285-1290°C.		1290-1295°C.		1295-1300°C.		1300-1305°C.		1305-1310°C.		1310-1315°C.		1315-1320°C.		1320-1325°C.		1325-1330°C.		1330-1335°C.		1335-1340°C.		1340-1345°C.		1345-1350°C.		1350-1355°C.		1355-1360°C.		1360-1365°C.		1365-1370°C.		1370-1375°C.		1375-1380°C.		1380-1385°C.		1385-1390°C.		1390-1395°C.		1395-1400°C.		1400-1405°C.		1405-1410°C.		1410-1415°C.		1415-1420°C.		1420-1425°C.		1425-1430°C.		1430-1435°C.		1435-1440°C.		1440-1445°C.		1445-1450°C.		1450-1455°C.		1455-1460°C.		1460-1465°C.		1465-1470°C.		1470-1475°C.		1475-1480°C.		1480-1485°C.		1485-1490°C.		1490-1495°C.		1495-1500°C.		1500-1505°C.		1505-1510°C.		1510-1515°C.		1515-1520°C.		1520-1525°C.		1525-1530°C.		1530-1535°C.		1535-1540°C.		1540-1545°C.		1545-1550°C.		1550-1555°C.		1555-1560°C.		1560-1565°C.		1565-1570°C.		1570-1575°C.		1575-1580°C.		1580-1585°C.		1585-1590°C.		1590-1595°C.		1595-1600°C.		1600-1605°C.		1605-1610°C.		1610-1615°C.		1615-1620°C.		1620-1625°C.		1625-1630°C.		1630-1635°C.		1635-1640°C.		1640-1645°C.		1645-1650°C.		1650-1655°C.		1655-1660°C.		1660-1665°C.		1665-1670°C.		1670-1675°C.		1675-1680°C.		1680-1685°C.		1685-1690°C.		1690-1695°C.		1695-1700°C.		1700-1705°C.		1705-1710°C.		1710-1715°C.		1715-1720°C.		1720-1725°C.		1725-1730°C.		1730-1735°C.		1735-1740°C.		1740-1745°C.		1745-1750°C.		1750-1755°C.		1755-1760°C.		1760-1765°C.		1765-1770°C.		1770-1775°C.		1775-1780°C.		1780-1785°C.		1785-1790°C.		1790-1795°C.		1795-1800°C.		1800-1805°C.		1805-1810°C.		1810-1815°C.		1815-1820°C.		1820-1825°C.		1825-1830°C.		1830-1835°C.		1835-1840°C.		1840-1845°C.		1845-1850°C.		1850-1855°C.		1855-1860°C.		1860-1865°C.		1865-1870°C.		1870-1875°C.		1875-1880°C.		1880-1885°C.		1885-1890°C.		1890-1895°C.		1895-1900°C.		1900-1905°C.		1905-1910°C.		1910-1915°C.		1915-1920°C.		1920-1925°C.		1925-1930°C.		1930-1935°C.		1935-1940°C.		1940-1945°C.		1945-1950°C.		1950-1955°C.		1955-1960°C.		1960-1965°C.		1965-1970°C.		1970-1975°C.		1975-1980°C.		1980-1985°C.		1985-1990°C.		1990-1995°C.		1995-2000°C.		2000-2005°C.		2005-2010°C.		2010-2015°C.		2015-2020°C.		2020-2025°C.		2025-2030°C.		2030-2035°C.		2035-2040°C.		2040-2045°C.		2045-2050°C.		2050-2055°C.		2055-2060°C.		2060-2065°C.		2065-2070°C.		2070-2075°C.		2075-2080°C.		2080-2085°C.		2085-2090°C.		2090-2095°C.		2095-2100°C.		2100-2105°C.		2105-2110°C.		2110-2115°C.		2115-2120°C.		2120-2125°C.		2125-2130°C.		2130-2135°C.		2135-2140°C.		2140-2145°C.		2145-2150°C.		2150-2155°C.		2155-2160°C.		2160-2165°C.		2165-2170°C.		2170-2175°C.		2175-2180°C.		2180-2185°C.		2185-2190°C.		2190-2195°C.		2195-2200°C.		2200-2205°C.		2205-2210°C.		2210-2215°C.		2215-2220°C.		2220-2225°C.		2225-2230°C.		2230-2235°C.		2235-2240°C.		2240-2245°C.		2245-2250°C.		2250-2255°C.		2255-2260°C.		2260-2265°C.		2265-2270°C.		2270-2275°C.		2275-2280°C.		2280-2285°C.		2285-2290°C.		2290-2295°C.		2295-2300°C.		2300-2305°C.		2305-2310°C.		2310-2315°C.		2315-2320°C.		2320-2325°C.		2325-2330°C.		2330-2335°C.		2335-2340°C.		2340-2345°C.		2345-2350°C.		2350-2355°C.		2355-2360°C.		2360-2365°C.		2365-2370°C.		2370-2375°C.		2375-2380°C.		2380-2385°C.		2385-2390°C.		2390-2395°C.		2395-2400°C.		2400-2405°C.		2405-2410°C.		2410-2415°C.		2415-2420°C.		2420-2425°C.		2425-2430°C.		2430-2435°C.		2435-2440°C.		2440-2445°C.		2445-2450°C.		2450-2455°C.		2455-2460°C.		2460-2465°C.		2465-2470°C.		2470-2475°C.		2475-2480°C.		2480-2485°C.		2485-2490°C.		2490-2495°C.		2495-2500°C.		2500-2505°C.		2505-2510°C.		2510-2515°C.		2515-2520°C.		2520-2525°C.		2525-2530°C.		2530-2535°C.		2535-2540°C.		2540-2545°C.		2545-2550°C.		2550-2555°C.		2555-2560°C.		2560-2565°C.		2565-2570°C.		2570-2575°C.		2575-2580°C.		2580-2585°C.		2585-2590°C.		2590-2595°C.		2595-2600°C.		2600-2605°C.		2605-2610°C.		2610-2615°C.		2615-2620°C.		2620-2625°C.		2625-2630°C.		2630-2635°C.		2635-2640°C.		2640-2645°C.		2645-2650°C.		2650-2655°C.		2655-2660°C.		2660-2665°C.		2665-2670°C.		2670-2675°C.		2675-2680°C.		2680-2685°C.		2685-2690°C.		2690-2695°C.		2695-2700°C.		2700-2705°C.		2705-2710°C.		2710-2715°C.		2715-2720°C.		2720-2725°C.		2725-2730°C.		2730-2735°C.		2735-2740°C.		2740-2745°C.		2745-2750°C.		2750-2755°C.		2755-2760°C.		2760-2765°C.		2765-2770°C.		2770-2775°C.		2775-2780°C.		2780-2785°C.		2785-2790°C.		2790-2795°C.		2795-2800°C.		2800-2805°C.		2805-2810°C.		2810-2815°C.		2815-2820°C.		2820-2825°C.		2825-2830°C.		2830-2835°C.		2835-2840°C.		2840-2845°C.		2845-2850°C.		2850-2855°C.		2855-2860°C.		2860-2865°C.		2865-2870°C.		2870-2875°C.		2875-2880°C.		2880-2885°C.		2885-2890°C.		2890-2895°C.		2895-2900°C.		2900-2905°C.		2905-2910°C.		2910-2915°C.		2915-2920°C.		2920-2925°C.		2925-2930°C.		2930-2935°C.		2935-2940°C.		2940-2945°C.		2945-2950°C.		2950-2955°C.		2955-2960°C.		2960-2965°C.		2965-2970°C.		2970-2975°C.		2975-2980°C.		2980-2985°C.		2985-2990°C.		2990-2995°C.		2995-3000°C.		3000-3005°C.		3005-3010°C.		3010-3015°C.		3015-3020°C.		3020-3025°C.		3025-3030°C.		3030-3035°C.		3035-3040°C.		3040-3045°C.		3045-3050°C.		3050-3055°C.		3055-3060°C.		3060-3065°C.		3065-3070°C.		3070-3075°C.		3075-3080°C.		3080-3085°C.		3085-3090°C.		3090-3095°C.		3095-3100°C.		3100-3105°C.		3105-3110°C.		3110-3115°C.		3115-3120°C.		3120-3125°C.		3125-3130°C.		3130-3135°C.		3135-3140°C.		3140-3145°C.		3145-3150°C.		3150-3155°C.		3155-3160°C.		3160-3165°C.		3165-3170°C.		3170-3175°C.		3175-3180°C.		3180-3185°C.		3185-3190°C.		3190-3195°C.		3195-3200°C.		3200-3205°C.		3205-3210°C.		3210-3215°C.		3215-3220°C.		3220-3225°C.		3225-3230°C.		3230-3235°C.		3235-3240°C.		3240-3245°C.		3245-3250°C.		3250-3255°C.		3255-3260°C.		3260-3265°C.		3265-3270°C.		3270-3275°C.		3275-3280°C.		3280-3285°C.		3285-3290°C.		3290-3295°C.		3295-3300°C.		3300-3305°C.		3305-3310°C.		3310-3315°C.		3315-3320°C.		3320-3325°C.		3325-3330°C.		3330-3335°C.		3335-3340°C.		3340-3345°C.		3345-3350°C.		3350-3355°C.		3355-3360°C.		3360-3365°C.		3365-3370°C.		3370-3375°C.		3375-3380°C.		3380-3385°C.		3385-3390°C.		3390-3395°C.		3395-3400°C.		3400-3405°C.		3405-3410°C.		3410-3415°C.		3415-3420°C.		3420-3425°C.		3425-3430°C.		3430-3435°C.		3435-3440°C.		3440-3445°C.		3445-3450°C.		3450-3455°C.		3455-3460°C.		3460-3465°C.		3465-3470°C.		3470-3475°C.		3475-3480°C.		3480-3485°C.		3485-3490°C.		3490-3495°C.		3495-3500°C.		3500-3505°C.		3505-3510°C.		3510-3515°C.		3515-3520°C.		3520-3525°C.		3525-3530°C.		3530-3535°C.		3535-3540°C.		3540-3545°C.		3545-3550°C.		3550-3555°C.		3555-3560°C.		3560-3565°C.		356	
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SCHEDULE "B."

MARY LOWELL STONE SCHOLARSHIP FUND.

Receipts:

Interest to June 29, 1899, on note of John McGrigor.	\$180 00	
Note paid June 29, 1899, John McGregor.	2,000 00	
	<u> </u>	\$2,180 00

Disbursements:

Paid to General Fund.	\$180 00	
Reinvested in note J. B. Wimer.	2,000 00	
	<u> </u>	2,180 00

MARY LOWELL STONE SCHOLARSHIP FUND.

Investment:

Invested in a note of J. B. Wimer, dated May 1, 1899, payable in one year, inter- est at 5 per cent., payable semi-annu- ally, secured by deed of trust on part of lot 12, square 289, number 1220 G St.	\$2,000 00	
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ELTON FUND.

Receipts:

Interest to February 27, 1899, on note of Wm. G. and R. K. F. Oberteuffer	\$486 15	
Old balance, last report.	50 64	
Note paid February 27, 1899, W. G. & R. K. F. Oberteuffer	5,000 00	
	<u> </u>	\$5,536 79

Disbursements:

Paid to General Fund.	\$536 79	
Reinvested in note of J. B. Wimer.	5,000 00	
	<u> </u>	5,536 79

ELLEN FUND

Investment

Invested in a note of J. B. Wimer, dated May 1, 1899, payable in one year, interest at 5 per cent, payable semi-annually, secured by deed of trust on part of lot 12, square 289, number 1220 G St. \$5,000 00

WILLIE E. FITCH FUND

Balance on hand as per last report \$435 91
 Receipts
 Interest on deposit 5 35
 Cash in bank \$141 26

WILLIE E. FITCH FUND

Investment

Note of Josiah W. McLachlen, trustee of the Security Investment Company, dated September 26, 1894, payable in three years, with interest at 6 per cent, per annum, payable semi-annually, secured by deed of trust on lot 78, square 1098. \$1,200 00

Title transferred to Mutual Real Estate Company.

Time of payment extended for three years from September 26, 1897.

Interest overdue \$72 00

KENDALL FUND

Receipts

Interest to June 29, 1899, on note of John McGregor \$270 00
 Interest to May 5, 1899, on note of J. W. Hogg 112 50
 Note paid of John McGregor 3,000 00
\$3,382 50

Disbursements:

Paid to General Fund	\$382 50	
Reinvested in note of J. B. Wimer	3,000 00	
		<u>\$3,382 50</u>

KENDALL FUND.

Investments:

Note of J. W. Hogg, assumed by J. T. Power, now deceased, dated March 31, 1883, on or before five years, at 4 per cent. Secured on lot 31, south grounds of Columbian University, 1434 Chapin street \$1,875 00

Note extended for five years from May 5, 1892, at 6 per cent.

Time of payment extended for five years from May 5, 1897, at 6 per cent.

Interest paid to May 5, 1899.

Invested in a note of J. B. Wimer, dated May 1, 1899, payable in one year, at 5 per cent. per annum, payable semi-annually, secured by deed of trust on part of lot 12, square 289, No. 1220 G street 3,000 00

\$4,875 00

LUCY STONE SCHOLARSHIP FUND.

Contribution by Columbian women, deposited in National Safe Deposit Savings and Trust Co. \$207 37

CORCORAN ENDOWMENT FUND.

June 1, '98, balance from fiscal year 1898 6,256 76

Receipts:

Daniel Britwell, note paid	\$2,000 00
H. L. Rust, four notes paid	8,400 00
C. H. Burgess, note paid	4,000 00
A. S. McCoy, note paid	5,000 00
F. T. Bowler, note paid	1,400 00
J. B. Gregg Custis, two notes paid	6,000 00

Baker, Lampton & Meilbenny, note paid	\$7,500 00
R. K. F. Obertentler, note paid	3,500 00
Mary E. Mann, note paid	1,000 00
Mary E. Mann, note paid	2,000 00
	<u>\$10,800 00</u>

Discounts, National Metropolitan Bank

On demand note of Treasurer, account of construction, Columbian Building	\$16,000 00
On demand note of Treasurer, account of construction, Columbian Building	14,000 00
On demand note of Treasurer, account of construction, Columbian Building	10,000 00
On demand note of Treasurer, account of construction, Columbian Building	10,000 00
On demand note of Treasurer, account of construction, Columbian Building	10,000 00
On demand note of Treasurer, account of construction, Columbian Building	10,000 00
	<u>54,000 00</u>
Mrs. Lehman, sale of Burg Lief Lots	7,000 00
Fitch, Fox & Brown, unexpended balance, account of sale of 903 M street	12 93
Collector of taxes, rebate account of lowering sewer, Columbian Building	\$49 96
Collector of taxes, rebate account of sidewalk and curbstone, Columbian Building	72 76
	<u>192 65</u>
Interest, endowment notes	2,891 57
	<u>\$111,075 51</u>

Disbursements

National Metropolitan Bank, to take up defaulted note of Lucy E. Knight, with interest	\$7,425 50
National Metropolitan Bank, paid demand note of Treasurer	10,000 00
National Metropolitan Bank, account demand note of Treasurer	\$2,000 00
National Metropolitan Bank, account demand note of Treasurer	1,500 00
National Metropolitan Bank, account demand note of Treasurer	1,000 00
	<u>6,500 00</u>

National Metropolitan Bank, interest and revenue stamps	482 66
Collector of taxes, deposit for sidewalk, Columbian Building	\$109 00
Collector of taxes, taxes on Martin and Knight houses	101 75
W. E. Edmonston, expenses sale of Burgdoe Flats	213 75
Fitch, Fox & Brown, expenses sale 934 M street	1,213 56
Tyler & Rutherford, deed of release	500 00
J. G. Cifers, payment to secure possession of 1712 S St	4 50
F. L. Hanvey, account construction of Columbian Building	55 17
Jas. G. Hib, account services as architect	63,081 21
Royce & Mearns, electrical work, Columbian Building	3,180 00
Sprague Electric Co., elevator work	917 00
Miller Safe and Iron Co., vaults	5,000 00
Wm. Reynolds, plumbing	1,106 00
Blake & Williams, heating apparatus	61 50
W. S. Tyler Wire Works Co., elevator cars and enclosures	4,200 00
Cutler Manufacturing Co., mail chute and box	1,756 00
H. J. M. Howard, hose and racks	809 00
C. A. Mudlman & Co., electric fixtures	141 75
W. B. Moses & Sons, shades	975 20
T. W. Power, automatic pump, etc	227 00
Forsberg & Murray, tank in basement	312 25
F. M. Kemp & Sons, sidewalk	68 03
J. B. Clark, door checks	179 57
W. F. Andrews, polishing floors	65 05
Jas. E. Earley, bronze tablet	37 50
Paid general expense account	125 00
Cash balance on hand May 31, 1899	2,821 57
	97 74
	<u>\$111,675 51</u>

SCHEDULE "C"

LIABILITIES

General Fund

Demand note of Treasurer, dated January 24, 1898, at 5 per cent., National Metropolitan Bank, for perpetual insurance of \$7,500 on University Hospital, \$5,000 on Cutler House, \$7,500 on Powell House, and \$40,000 on University Hall	\$1,862 50
Demand note of Treasurer, dated December 2, 1898, at 5 per cent., National Metropolitan Bank, for \$5,000 perpetual insurance on Columbian Building	1,250 00
Demand note of Treasurer, dated December 2, 1898, at 5 per cent., National Metropolitan Bank, for \$17,000 perpetual insurance on Medical School Building	640 00
Demand note of Treasurer, dated January 16, 1899, at 5 per cent., National Metropolitan Bank, for \$20,000 perpetual insurance on Law Lecture Hall	500 00
Demand note of Treasurer, dated June 17, 1897, at 5 per cent., National Metropolitan Bank, for general expenses	3,000 00
Demand note of Treasurer, dated February 1, 1899, at 5 per cent., National Metropolitan Bank, for general expenses	13,400 00
First-mortgage note, held by Provident Life and Trust Co. of Philadelphia, dated December 28, 1897, at 5 per cent. per annum, secured by deed of trust on Wildcombe stables, 1327-1333 H street	55,000 00
First-mortgage note, held by Mutual Benefit Life Association of Newark, N. J., dated August 1, 1898, at 4 per cent., secured by deed of trust on University and Law Lecture Halls, borrowed to erect	

Law Lecture Hall, Japan University
Hospital, pay \$5,000 note held by Fitch,
Fox & Brown \$25,000 note held by Credit
Mills, and National Metropolitan Bank
notes, account Widener's purchase \$90,000 00
\$160,652 50

Continued from p. 42

Demand note of Treasurer, dated July 7,
1897, at 5 per cent., National Metropol-
itan Bank, account construction, Colum-
bian Building \$10,000 00
Demand note of Treasurer, dated Novem-
ber 28, 1898, at 5 per cent., National
Metropolitan Bank, account construction
Columbian Building 14,000 00
Demand note of Treasurer, dated Decem-
ber 2, 1898, at 5 per cent., National
Metropolitan Bank, account construction
Columbian Building 20,000 00
Demand note of Treasurer, dated
December 22, 1898, at 5 per cent.,
National Metropolitan Bank, ac-
count construction, Columbian
Building \$10,000 00
Paid on account February
28, 1899 8,500 00
Paid on account March 31,
1899 1,000 00
Paid on account May 12,
1899 2,000 00
6,500 00
3,500 00
Demand note of Treasurer, dated January
16, 1899, at 5 per cent., National Metro-
politan Bank, account construction, Co-
lumbian Building 10,000 00
\$18,161 50

THE UNIVERSITY OF CHICAGO

[illegible]

SCHEDULE "E."—Table of Insurance.

Perpetual.

Date of policy.	Number of policy.	Name of company.	Property insured.	Amount.	Deposit.
1897.					
Nov. 1	5,014	Commercial Union...	University Hospital.	\$7,500 00	\$187 50
1898.					
Jan'y 5	5,016	" "	Cutler House.....	5,000 00	125 00
" 6	5,017	" "	Powell House.....	7,500 00	150 00
" 10	5,019	" "	University Hall.....	5,000 00	175 00
" 15	115,595	Fire Association...		5,000 00	175 00
" 10	20,100	Insurance Co. of North America...	Deposited with Mutual Benefit Life Insurance Co. of Newark, N. J.....	10,000 00	350 00
" 12	18,141	American.....		10,000 00	350 00
" 12	6,636,635	Royal.....		10,000 00	350 00
Nov. 4	18,392	American.....		10,000 00	250 00
" "	20,266	Ins. Co. of N. A.....		15,000 00	375 00
" "	5,023	Commercial Union	Columbian Bldg.....	15,000 00	375 00
" "	116,462	Fire Association...		10,000 00	250 00
" 19	20,272	Ins. Co. of N. A.....		5,000 00	175 00
" "	116,533	Fire Association...	Medical School.....	5,000 00	175 00
" "	5,024	Commercial Union		7,000 00	245 00
1899.					
Jan'y 7	5,025	Commercial Union		10,000 00	250 00
" "	20,289	Ins. Co. of N. A.....	Law Lecture Hall..	5,000 00	125 00
" "	116,687	Fire Association...		5,000 00	125 00
				\$147,000 00	\$4,297 50

Term Insurance.

Date of policy.	Number of policy.	Name of company.	Property insured.	Amount.	Policy expires.
Nov. 1, '98	21,249	Northwestern National	1719 S Street.....	\$6,000 00	Nov. 1, 1899
June 11, '98		Queen of N. Y.....		2,000 00	June 11, 1899
"		American of N. Y.....		1,000 00	"
"		Washington of Providence.....	Widdicombe stables	1,500 00	"
"		Fireman's of Baltimore.....	Deposited with Provident Life & Trust Co., Phila....	2,000 00	"
"		Fireman's Fund of S. F.....		1,500 00	"
"		Pennsylvania.....		2,000 00	"
Nov. 30, '98	944,798	American Central...	903 M Street.....	5,000 00	Nov. 30, 1899
July 15, '98	8,221	Home of N. Y.....	Libraries, 154 vols.....	5,000 00	July 15, 1903
Nov. 20, '98	8,297	Home of N. Y.....	Furniture 1325 H.....	3,000 00	Nov. 20, 1903
Dec. 1, '98	52,777	Fidelity & Casualty Co.	Elevator, Columbian Building.	10,000 00	Dec. 1, 1901
				\$39,000 00	

REPORT OF AUDITING COMMITTEE.

To the Board of Trustees of the Columbian University

GENTLEMEN: The Auditing Committee have examined the stocks and notes set forth in the foregoing Report of the Treasurer, stating the investment of the moneys belonging to the various endowment funds, and the miscellaneous securities of the Corporation now in the hands of the Treasurer, and find the foregoing schedules to be correct, and that the securities are now in the iron safe in the President's office, in the University Building, under the control of the President and the Treasurer.

We have also carefully examined the foregoing statements of receipts and expenditures during the year ending May 31, 1899 and balances, and find the same to be correct and to agree with the vouchers.

J. ORMOND WILSON.

W. H. MCKNEW.

M. M. PARKER.

MAY 31, 1899.

